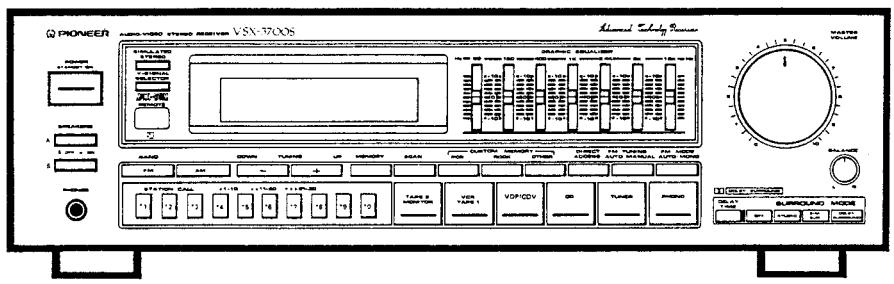
Operating Instructions

AUDIO/VIDEO STEREO RECEIVER

VSX-3600
VSX-3700S



• Illustration shows VSX-3700S.

Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT NOTICE
[For U.S. and Canadian models]

The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure area. This is for your security.

[For Canadian model]

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

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PIONEER®
The future of sound and vision.

IMPORTANT

The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

SAFETY INSTRUCTIONS

READ INSTRUCTIONS – All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS – The operating instrucions should be retained for future reference.

HEED WARNING – All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS – All operating and use instructions should be followed.

WATER AND MOISTURE – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

LOCATION – The appliance should be installed in a stable location.

WALL OR CEILING MOUNTING – The appliance should not be mounted to a wall or ceiling.

VENTILATION – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

POWER-CORD PROTECTION – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION – If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

CLEANING – The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

POWER LINES – An outdoor antenna should be located away from power lines.

NONUSE PERIODS – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

OBJECT AND LIQUID ENTRY – Care should be taken so that objects do not fall and inquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE – The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when:

- The power-supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped; on the enclosure damaged.

SERVICING – The user should not attempt to service the appliance beyond that described in the operating instructions. For all other servicing, contact the nearest Pioneer authorized service center.

OUTDOOR ANTENNA GRAUNDING – If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.
In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

CART – An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

NEC – NATIONAL ELECTRIC CODE

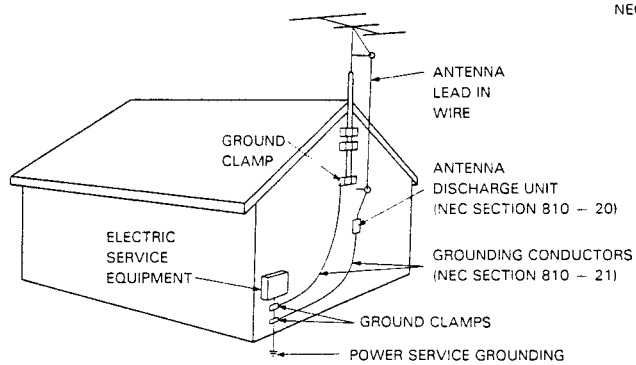


FIG.A

BEFORE OPERATING, CHECK THE POSITION OF THESE SWITCHES

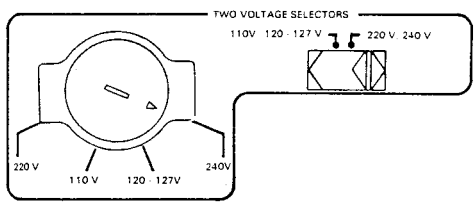
TWO VOLTAGE SELECTOR SWITCHES

Only multi-voltage models are provided with these switches. U.S., Canadian, European, U.K., and Australian models are not provided with these switches.

Main voltages in Saudi Arabia are 127 V and 220 V only. Never use this model with 110 V setting in Saudi Arabia.

The line voltage selector switches are on the rear panel. Before your model is shipped from the factory, these switches are set to the power requirements of the destination. Check that they are set properly before plugging the power cord into the AC outlet. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switches as follows.

1. Use a medium-size screwdriver.
2. First, insert a screwdriver in the groove of the voltage selector at the right, and adjust so that the tip of the groove points to the voltage value of your area.
3. Next, insert a screwdriver in the groove of the voltage selector at the left and adjust until the voltage is the same as at the right.



CHANNEL STEP SWITCH (Multi-voltage model only)

The unit has been factory preset to the channel allocation and de-emphasis value for the area in which it is to be sold. If these values are set incorrectly, the frequency display may stop at the wrong frequency, or sound may be distorted, resulting in an inability to reproduce reception signals at their proper level of sound quality. For this reason, be sure to confirm that the values are set correctly before using the unit for the first time.

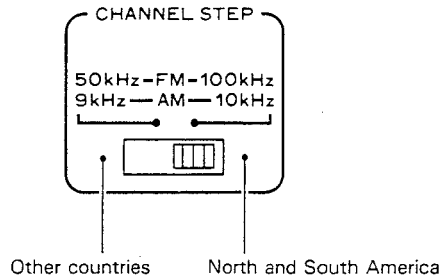
Set to this position for areas with an FM reception step of 100 kHz, AM 10 kHz.

[50 kHz/9 kHz] position:

Set to this position, for areas with an FM reception step of 50 kHz, AM 9 kHz.

NOTE:

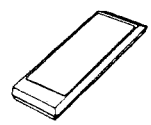
When unsure about the channel allocation and de-emphasis values for your area, consult your dealer for correct information.



CHECKING ACCESSORY ITEMS

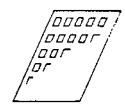
FM T-type Antenna

AM Loop Antenna



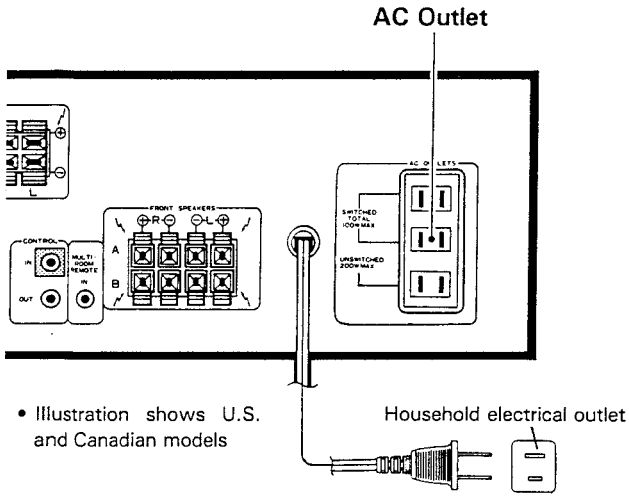
Remote control unit

Template
(VSX-3700S)



Dry cell battery x 2
VSX-3600:
size "AA" (IEC R6/UM-3)
VSX-3700S:
size "AA" (IEC LR6/AM-3) alkaline

CONNECTING THE POWER CORD



• Illustration shows U.S. and Canadian models

For U.S., Canadian and Multi-voltage models.

AC OUTLETS (SWITCHED)

Power supplied through these outlets is turned on and off by the receiver's POWER switch. Total electrical power consumption of connected equipment should not exceed 100 W.

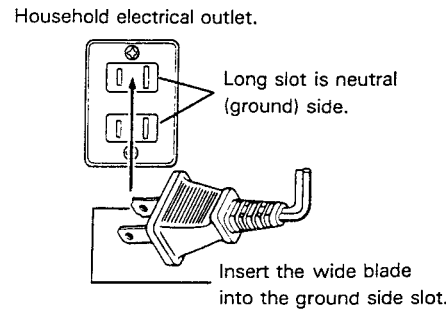
AC OUTLET (UNSWITCHED)

Power flows continually to this outlet, regardless of whether the receiver's POWER switch is ON or OFF. Electrical power consumption of the connected equipment should not exceed 200 W. The equipment should be disconnected by removing the mains plug from the wall socket when not in regular use, e.g. when on vacation.

NOTE:
Do not connect appliances with high power consumption such as heaters, irons, or television sets to the AC OUTLETS, in order to avoid overheating or fire risk.
This can cause the receiver to malfunction.

CONNECTING THE POWER CORD (For U.S. and Canadian models)

Household electrical outlets are provided with specific polarity, a live side and a neutral (ground) side. This unit utilizes such polarity in order to improve sound quality. As shown in the illustration, be sure to insert the power plug so that its blades match the width of the slots in the outlet.



POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc,. on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

SURROUND EFFECT

This unit has a built in surround processor for adding presence and an expansive effect to the sound.

• STUDIO:

Select to this position to enjoy the effect of listening to music in a recording studio.
The source sound is output as is through the front speakers, with reverberation output through the rear speakers.
The center sound is positioned directly between the front speakers. This is particularly suitable for a sound source that has a lot of reverberation.

• SIMULATED SURROUND:

The "SIMULATED SURROUND" creates the effect of reverberated and reflected sound from the walls and ceiling similar to a concert hall. These sound-effects added to the actual sound from the source make you feel as if in a more expanded space. The different ranges of the expanded space can be set by the Delay Time key. For example, set the Delay Time to 5 ms to 20 ms for a live-house concert. For chamber music, set to 15 ms to 20 ms. For orchestral music, set to 25 ms to 30 ms. The "SIMULATED SURROUND" also gives effects on monaural sources by outputting the reverberated sound from the rear speakers while keeping the output sound from the front speakers as it is. Turn on the "SIMULATED STEREO" for a monaural source to gain the effective surround playback.

• DOLBY SURROUND:

Choose this setting for movies and music (especially Video Discs and video tapes bearing the DOLBY SURROUND mark) playback. Dolby Surround decodes the surround information in the source signal, providing a feeling of left-right and front -back movement matching the action on screen.

Manufactured under license from Dolby Laboratories Licensing Corporation. Additionally licensed under one or more of the following patents: U.S. numbers 3,632,886, 3,746,792 and 3,959,590; CANADA numbers 1,004,603 and 1,037,877. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

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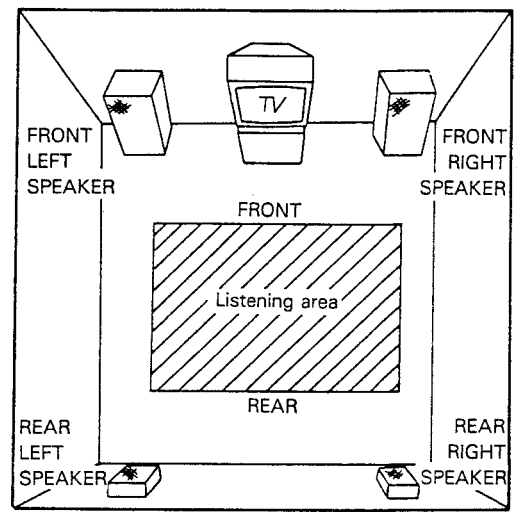
When using DOLBY SURROUND, a delay time setting of 20 ms is usually appropriate.
If your rear speakers are very close to the listening position, try 25 ms or 30 ms; if they are some distance away try 15 ms.
Adjustment of input balance is required to obtain the correct DOLBY SURROUND effect. For the adjustment procedure, refer to "DOLBY SURROUND INPUT BALANCE ADJUSTMENT PROCEDURE" on page 20.

SURROUND SPEAKER INSTALLATION EXAMPLE

To get the best effect out of the surround system, place the speakers as shown below.

An example for speaker location



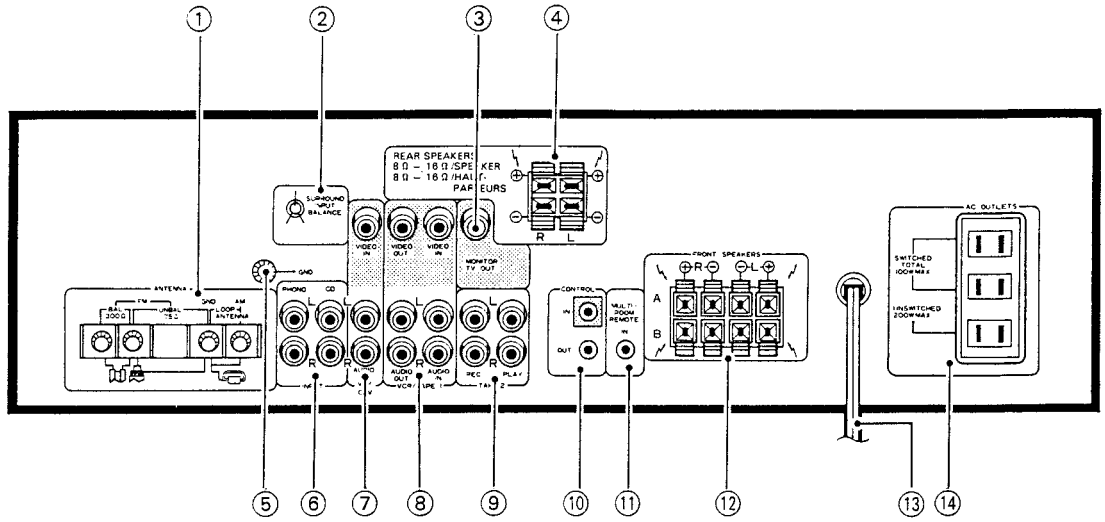
NOTE:

- *To avoid interference with the picture on a nearby TV set, use magnetically shielded speaker systems.*
- *Position the left and right channel speakers at equal distances from the TV set and approximately six feet from each other.*
- *Rear speakers are best positioned slightly above ear level.*

Note:
Dolby Surround will not operate correctly if the signal passes through a graphic equalizer.

REAR PANEL FACILITIES

• Illustration shows U.S. and Canadian models



① FM/AM ANTENNA terminals

Use these antenna terminals for receiving FM and AM broadcasts.

② SURROUND INPUT BALANCE control

This knob is for adjusting the balance of the DOLBY SURROUND input signal. To adjust, apply a monaural sound signal and rotate until the SURROUND (rear) sound becomes minimal (see page 20).

③ MONITOR TV OUT jack

Connect to a monitor TV or a TV set with video input terminals.

④ REAR SPEAKERS terminals

Connect the rear speakers to these terminals.
Use rear speakers of impedance 8 Ω to 16 Ω.

NOTE:
Do not allow any of the cord's conductors to protrude from the terminals or touch any other conductors. Malfunctioning or breakdowns may occur when conductors come into contact with each other.

⑤ GND terminal

Connect to the ground lead of a turntable.

⑥ INPUT jacks

PHONO ..... Connect to the output cables from a turntable.
CD ..... Connect to the output jacks of a compact disc player.

⑦ VDP/CDV jacks

Connect to a video disc player's video and audio output jacks.

⑧ VCR/TAPE 1 jacks

Connect to a VCR or cassette deck.
When connecting to a cassette deck, use only the L and R jacks. When connecting to a VCR, also connect the VIDEO IN, OUT jacks.

⑨ TAPE 2 jacks

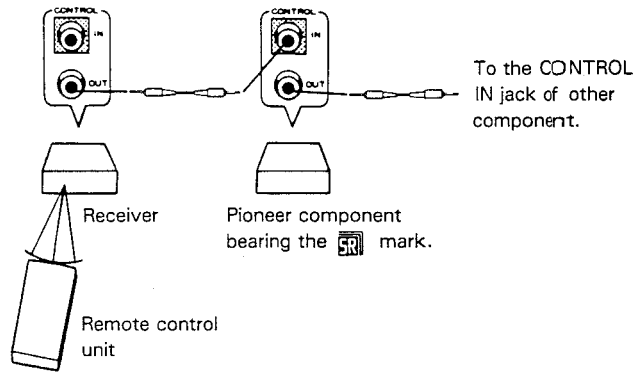
Connect the cassette deck to these jacks.

⑩ CONTROL IN/OUT jacks

IN: Connect to other Pioneer components to this jack when using those components to control this unit.

OUT: Connect to other Pioneer components to this jack when using the remote control of this unit to control the other components.

NOTE:
The receiver's remote sensor does not function when a plug is inserted in the IN jack. To operate, point the remote control unit at the remote sensor on the component to which the receiver's IN jack is connected.



⑪ MULTI-ROOM REMOTE IN jack (See page 7)

Connect the adaptor (MR-100, sold separately) to this Multi-Room Remote IN jack. You can operate the unit by remote control via the adaptor. It is convenient when the unit is located in a separate room.

⑫ SPEAKERS terminals

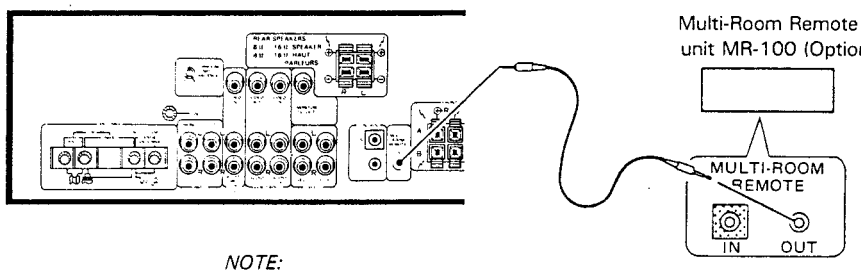
A: Connect to a first set of speakers.
B: Connect to a second set of speakers.

NOTE:
- *Do not allow any of the cord's conductors to protrude from the terminals or touch any other conductors. Malfunctioning or breakdowns may occur when conductors come into contact with each other.*
- *No sound will be heard through the speakers when both A and B switches are pressed if only one set of speakers has been connected to either A or B SPEAKERS terminals.*

⑬ Power cord (See page 4)

⑭ AC OUTLETS (See page 4)

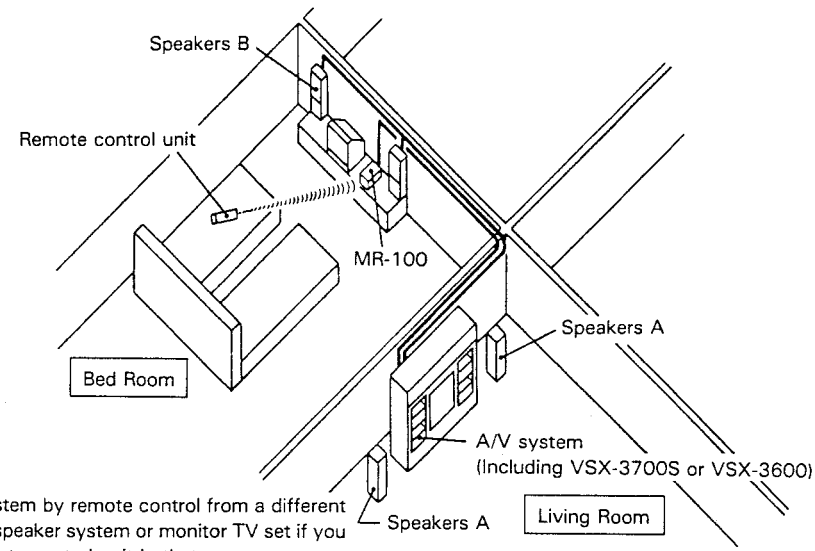
MULTI-ROOM REMOTE CONTROL ADAPTOR CONNECTION



• For details, see operating instructions for multi-room remote control unit MR-100.

NOTE:
Be careful not make the wrong connections for CONTROL IN/OUT (black) and MULTI-ROOM REMOTE IN (green).

[Set-up example]

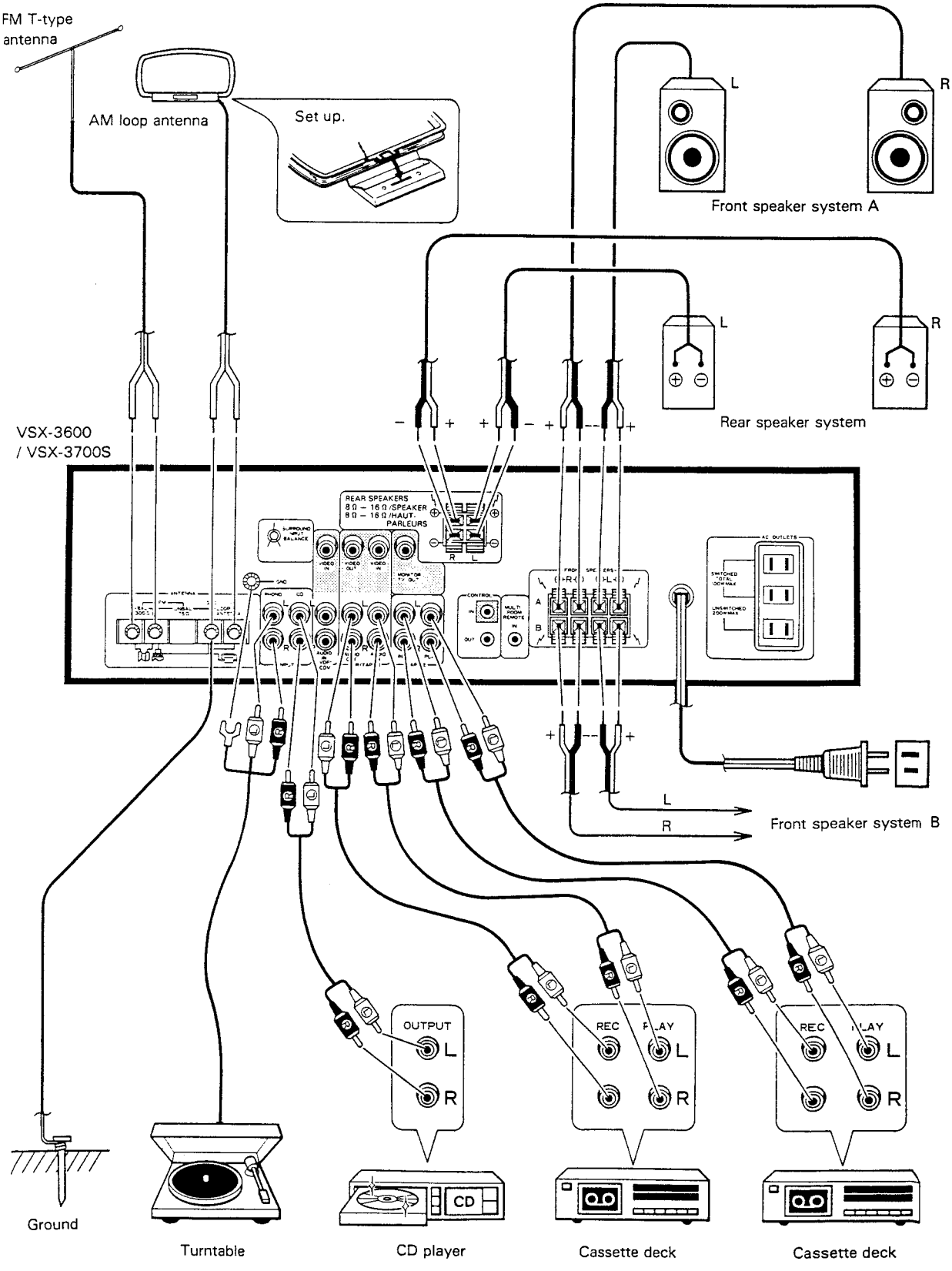


You can operate the main system by remote control from a different room in which are installed a speaker system or monitor TV set if you also install a Multi-Room remote control unit in that room.

CONNECTIONS

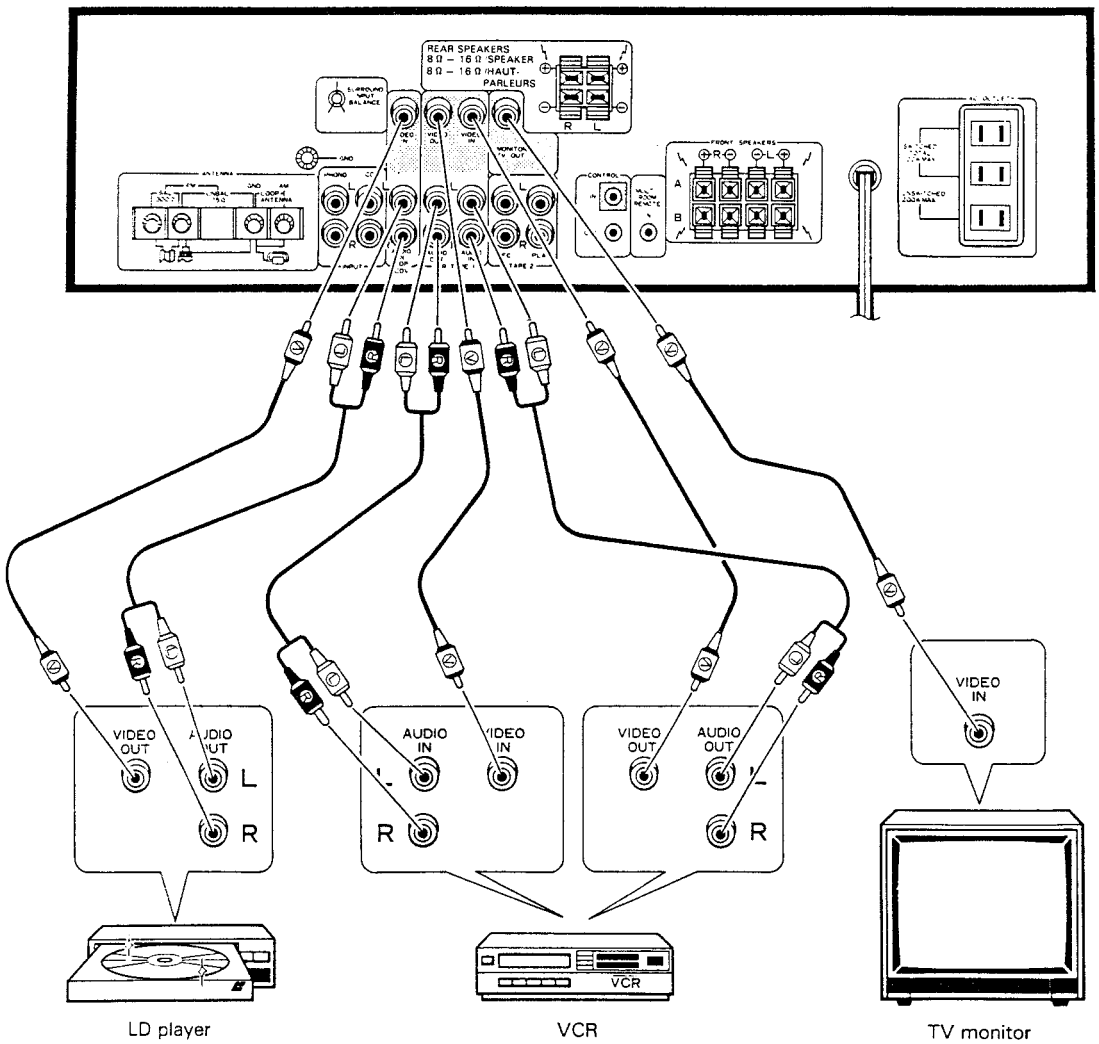
Audio components connections

• Illustration shows U.S. and Canadian models



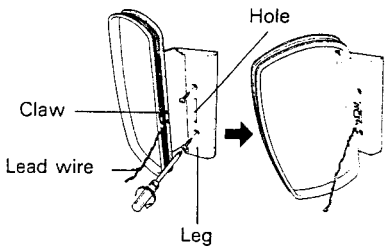
Video components connections

• Illustration shows U.S. and Canadian models



Setting Up the AM Antenna

- Insert the claw on the bottom of the antenna into the hole in the leg.
- Place the antenna on a level surface and rotate it to locate the orientation that yields the best reception.
- Use the attachment hole in the leg to screw to wall or other location, then insert the claw on the bottom of the antenna into the hole in the leg, (fixing the antenna in the direction that gives the best reception).



Antenna ground

Although grounding is not necessary for reception it is recommended for protection against damage from lightning if an outdoor FM antenna is used. Grounding is recommended, to help reduce noise and hum as well.

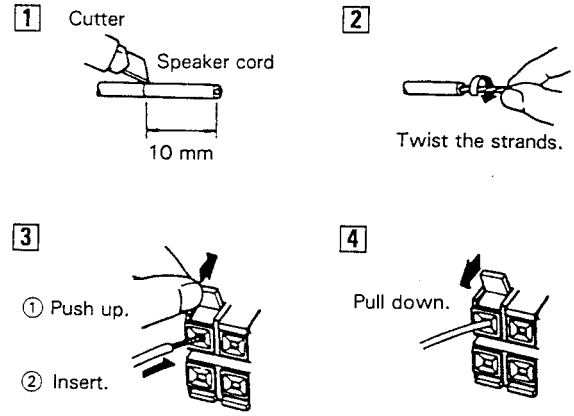
NOTE:
Never make the ground connection to a gas pipe as sparks could cause the gas to ignite.

Connecting the input/output cords

When another stereo component (purchased separately) is connected, note the following instructions:

- Connect the plugs properly. Faulty connections can cause noise and also breakdowns and failures.
- The white terminal is for the left channel and the red terminal is for the right channel.

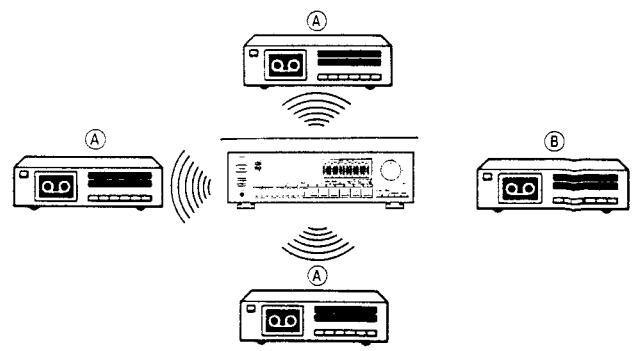
Connecting the speaker cords



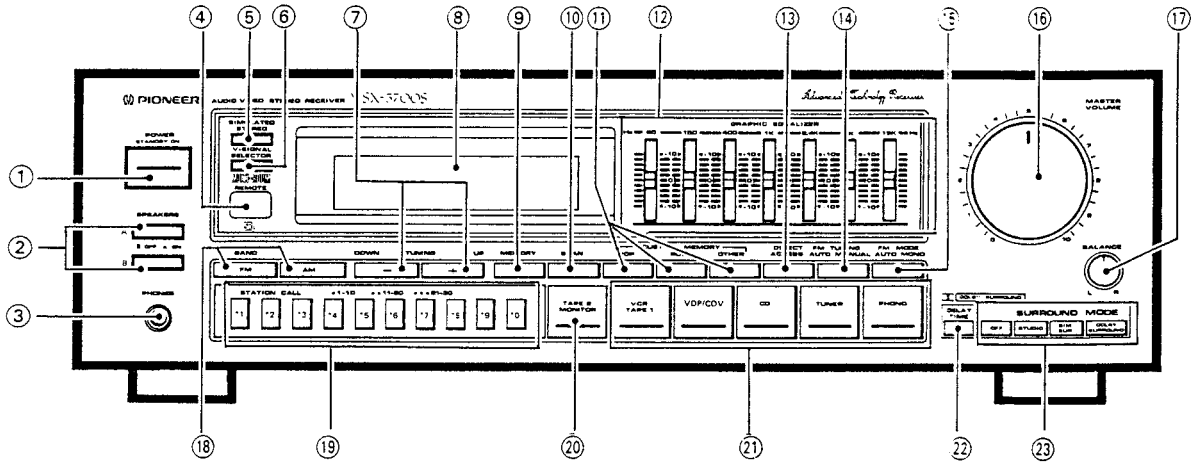
NOTE ABOUT SPEAKER CONNECTIONS

- Speaker systems used should have an impedance of between 8 Ω and 16 Ω.
- Be sure that connections are secure. Check to make sure that wires do not protrude from their terminals.
- Do not allow the speaker cords to become short-circuited. Damage may result to your unit.
- Do not attempt to simultaneously connect two sets of speakers to a single side (A or B). When using two sets of speakers, connect one set to side A and one set to side B.

Precaution regarding installation position of cassette deck.
If the cassette deck is installed in the Ⓐ positions shown in the drawing below, it may be adversely affected during playback.
If possible, it's better to install it in the Ⓑ position.



FRONT PANEL FACILITIES



① POWER (STANDBY/ON) switch

This is the switch for electric power.

ON: When set to the ON position, power is supplied and the unit becomes operational.

STANDBY: When set to the STANDBY position, the main power flow is cut and the unit is no longer fully operational. A minute flow of power feeds the unit to maintain operation readiness.

On the Australian and Multi-voltage models, the indicator above the MASTER VOLUME control knob lights during STANDBY.

- The accessory remote control unit can also be used to operate STANDBY/ON function of this switch.
- When not using the unit for a long period, disconnect the power cord.

[TIMER ON/OFF possible]

When the unit is switched ON, ON/OFF can be performed with the optional timer.

NOTE:

When the power is initially turned ON, muting will be applied to prevent sound from being output for about 5 seconds.

② SPEAKERS switches (■OFF, ▬ON)

These are used to select the speaker through which you wish to listen.

A: When the speakers connected to A terminals are in use.

B: When the speakers connected to B terminals are in use.

- Turn both A and B speakers to OFF position when only the HEADPHONES are in use.

NOTE:

No sound will be heard through the speakers when both A and B switches are pressed if only one set of speakers has been connected to either A or B SPEAKERS terminals.

③ PHONES jack

Connect the plug on your headphones to this jack. To listen to a program through the headphones, set both SPEAKERS A and B switches to the OFF position.

④ Remote sensor window

⑤ SIMULATED STEREO switch

This turns monaural signals into simulated stereo sound. Use this when you wish to experience a sense of stereo presence with AM broadcasts, VCR or other monaural signal sources.

NOTE:

This function can also be used with stereo sources, but it will result in a different sound from the normal stereo sound.

⑥ V (Video) SIGNAL SELECTOR switch

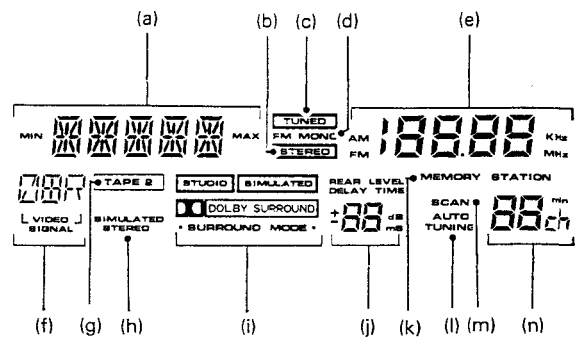
This lets you switch the video signal without switching the audio signal. This means that you can, for example, listen to a CD while watching a video disc.

⑦ TUNING switches (DOWN –, UP +)

UP: The FM or AM band is scanned in the direction of increasing frequency.

DOWN: The opposite operation to that of the UP switch takes place.

⑧ Operation display panel



(a) Displays function and custom memory name, as well as surround and rear level.

(b) STEREO indicator
Lights when a stereo FM broadcast is being received.

(c) TUNED indicator
Lights when a station is tuned.

(d) FM MONO indicator
Lights when the FM MONO mode is selected with the FM MODE AUTO/MONO switch.

(e) Frequency display

(f) VIDEO SIGNAL display
Displays the component selected with the V-SIGNAL SELECTOR switch.

(g) TAPE 2 indicator
Lights when the TAPE 2 MONITOR switch is ON.

(h) SIMULATED STEREO indicator

(i) SURROUND MODE indicator
Displays the surround mode selected with the SURROUND MODE switches.

(j) REAR LEVEL/DELAY TIME display
When REAR LEVEL is lit, it displays the surround rear level as compared to the front level. The offset value is 0 dB. A maximum of 20 dB, and a minimum of $-\infty$ is displayed.
When DELAY TIME is lit, it displays surround delay time settings.
(k) MEMORY indicator
(l) AUTO TUNING indicator
Lights when the FM TUNING AUTO/MANUAL switch is set to AUTO.
(m) SCAN indicator
Lights during station memory scan and custom memory scan operation.
(n) STATION display
Indicates channel (STATION CALL number) or sleep time.

⑨ MEMORY switch

When the unit is in the frequency display mode, pressing this switch will result in the memorization of the current broadcast band, reception frequency, and FM AUTO/MONO mode.
This switch is also used to input custom memory names (see page 16).

⑩ SCAN switch

This switch is used for both station memory scan and custom memory scan.

⑪ CUSTOM MEMORY switches

You can use these switches to classify stations assigned to STATION CALL switches into different genres of music, depending on the material played on the station.
After classifying the stations, you can recall a particular genre and scan all the stations of that genre with memory scan until you find the desired one.

⑫ GRAPHIC EQUALIZER controls

The equalizer is divided into seven frequency ranges (60 Hz, 150 Hz, 400 Hz, 1 kHz, 2.4 kHz, 6 kHz, 15 kHz) to tailor music to the individual taste of the listener.

⑬ DIRECT ACCESS tuning switch

When this switch is pressed, the STATION CALL switches function as ten-key number switches for direct input of the desired reception frequency. Press again to cancel this mode.
If the input station falls outside of the receiver's tuning range, the display section will display a message: "UPPER" if the frequency is too high and "LOWER" if it is too low (see page 14).

⑭ FM TUNING AUTO/MANUAL switch

Works during FM reception.
Use this switch to select either the AUTO mode or the MANUAL mode. When the "AUTO TUNING" indicator is lit, the receiver is in the AUTO mode (see page 13).

⑮ FM MODE AUTO/MONO selector switch

Use to select the auto stereo mode or monaural mode when listening to FM broadcasts. The monaural mode has been selected when the FM MONO indicator is lighted.
Auto stereo mode:
Normally leave in this mode for reception. When a stereo FM broadcast is received, it will be automatically reproduced in stereo sound.
Monaural mode:
When receiving distant stations or stations with weak broadcast signals, the input signal may be weak, thus resulting in increased noise during FM stereo broadcasts. In this event, setting the receiver to the monaural mode will reduce the noise. In this case, however, FM stereo broadcasts will be reproduced in monaural sound.

NOTE:
This switch has no effect on reception of AM broadcasts.

⑯ MASTER VOLUME control

Use to adjust volume level.

⑰ BALANCE control

Should normally be left in the center position. Adjust balance if the sound is louder from one of the speakers. If the right side is louder, turn toward the L position and if the left side is louder, turn toward the R position.

⑱ BAND Selector switches

These switches are used to select either AM or FM reception.
AM: Push this switch for AM reception.
FM: Push this switch for FM reception.

⑲ STATION CALL switches

These switches are used to preset and recall desired broadcasting stations.

⑳ TAPE 2 MONITOR switch

Press when listening to tape playback with the cassette deck 2.

㉑ Function switches

Use to select playback source.
[VCR/TAPE 1] — Press when performing playback on the cassette deck 1 or VCR.
[VDP/CDV] — Press when performing playback on a video disc player or CDV player, etc.
[CD] — Press when listening to compact disc playback with a CD player.
[TUNER] — Press when listening to AM or FM broadcasts with a tuner.
[PHONO] — Press when listening to record playback on a turntable.

㉒ DELAY TIME switch

Operates when the SIMULATED or DOLBY SURROUND mode is ON. For DOLBY SURROUND, 20 ms is standard.
DOLBY SURROUND:

15 ms → 20 ms → 25 ms → 30 ms

SIMULATED SURROUND:

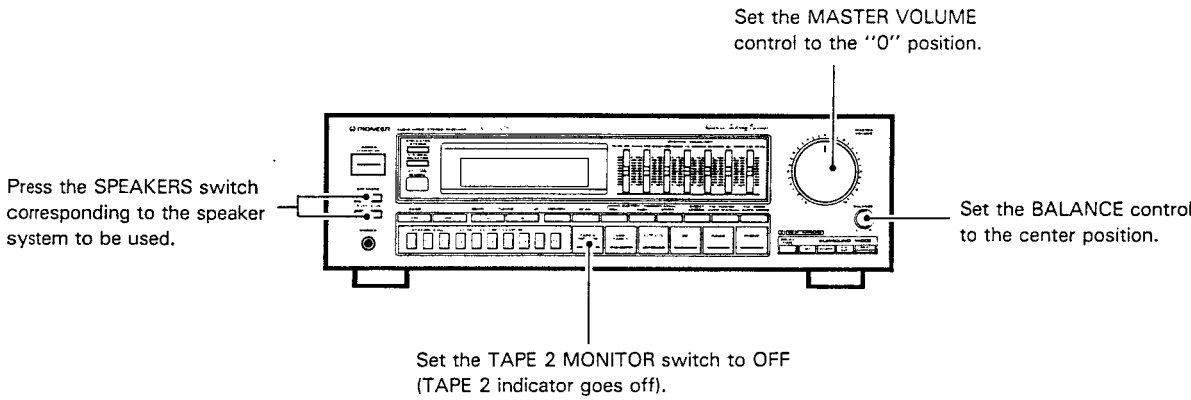
5 ms → 10 ms → 15 ms → 20 ms → 25 ms → 30 ms → 35 ms

㉓ SURROUND MODE Switches

OFF:
To cancel the surround function.
STUDIO:
Enjoy the atmosphere of listening to music in a recording studio.
SIMULATED SURROUND:
Gives concert-hall presence to monaural sound (AM, TV, etc.).
With a monaural source, a much better surround effect is achieved if it is used together with SIMULATED STEREO.
DOLBY SURROUND:
Select this setting when watching video tapes or video discs bearing the DOLBY SURROUND mark.

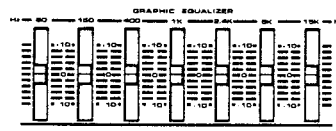
SETTING THE UNIT PRIOR TO OPERATION

• Before operating the unit, be sure to set it as shown below.


Set the MASTER VOLUME control to the "0" position.
Press the SPEAKERS switch corresponding to the speaker system to be used.
Set the BALANCE control to the center position.
Set the TAPE 2 MONITOR switch to OFF (TAPE 2 indicator goes off).

GRAPHIC EQUALIZER CONTROLS

The advantage of the GRAPHIC EQUALIZER over conventional tone controls is that with the seven controls of the GRAPHIC EQUALIZER it is possible to control seven different narrow, distinct sections of the audio band. With conventional tone controls a setting for a bass or treble boost or cut will also affect the lower or upper mid frequencies. The frequency bands controlled by the seven slide controls have been chosen to yield the maximum possible control action within the audio spectrum.



▲ Emphasize frequency range.

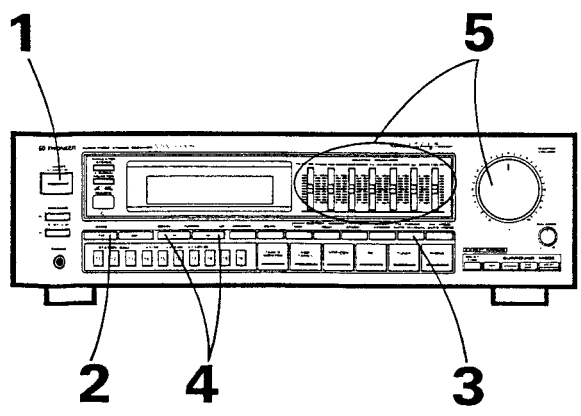
▼ De-emphasize frequency range.

LISTENING TO THE BROADCAST

• Check that all terminals are properly connected before switching on the unit.
• Be sure to turn the TAPE 2 MONITOR switch OFF when listening to AM or FM broadcasts.

AUTO TUNING (FM reception)

The electronic tuning circuit inside the unit will search for the station.



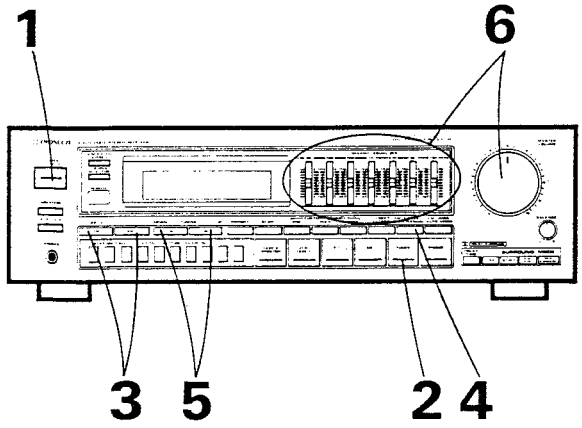
1. **Turn on the POWER switch of the unit.**
2. **Set the BAND selector switches for FM reception.**
3. **Press the FM TUNING AUTO/MANUAL switch to establish the AUTO tuning mode (the AUTO TUNING indicator lights).**
4. **Press the TUNING switches "UP +" or "DOWN –" for a higher or lower frequency as desired.**

   The frequency will change rapidly during scanning. The AUTO TUNING will stop automatically when the station is located and the TUNED indicator will light up.

NOTE:
When the AUTO TUNING is in use, reception may not be possible over long distances or when signals are weak. At these times manual tuning is recommended.

5. **Adjust the volume with the MASTER VOLUME control and the tone with the GRAPHIC EQUALIZER controls.**

MANUAL TUNING (FM/AM reception)



1. Press the POWER switch to the ON position.
2. Press the TUNER switch of the function switches.
3. Select either FM or AM using the BAND selector switch.
4. Press the FM TUNING AUTO/MANUAL switch to establish the MANUAL tuning mode (the AUTO TUNING indicator goes off) during FM reception.
5. Use the TUNING switches to locate the frequency of the desired station.

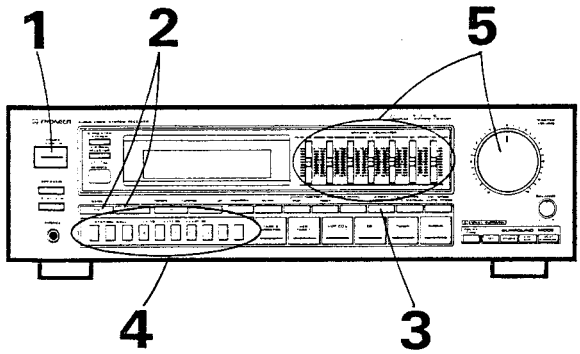
   For step-by-step searching, press the TUNING switch once and release it immediately. For continuous rapid scanning keep the TUNING switch pressed. The TUNED indicator will light up when the station is tuned in best.

NOTE:
The TUNED indicator will not function for broadcasts received over long distances or when signals are weak.

6. Adjust the volume with the MASTER VOLUME control and the tone with the GRAPHIC EQUALIZER controls.

DIRECT ACCESS TUNING

LISTENING TO BROADCASTS USING DIRECT ACCESS TUNING



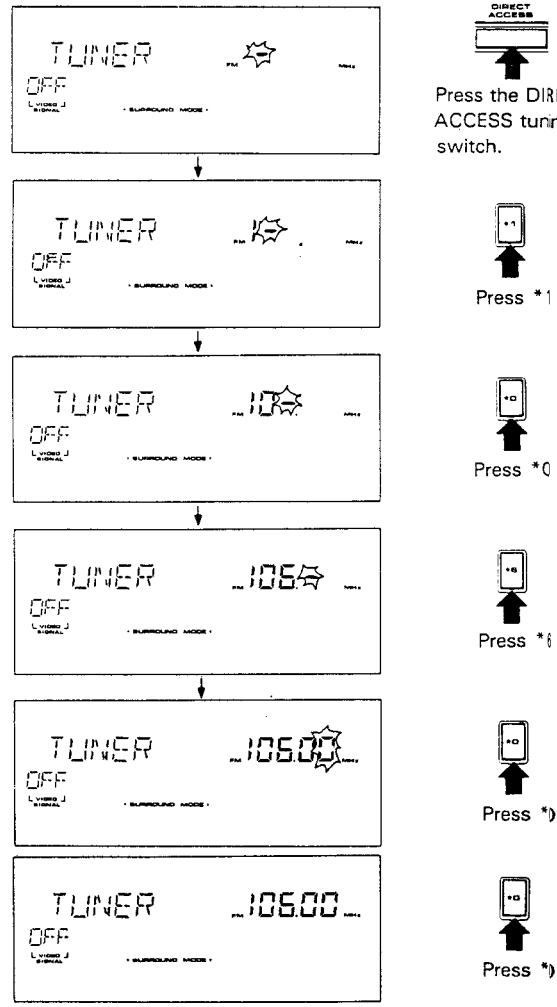
When you know the frequency of the desired station, the frequency can be input directly using the STATION CALL (number) switches in the following way:

1. Press the POWER switch to the ON position.

NOTE:
Be sure to turn the TAPE 2 MONITOR switch OFF when listening to AM or FM broadcasts.

2. Select either FM or AM using the BAND selector switch.
3. Press the DIRECT ACCESS tuning switch.
4. Input the desired station frequency using the STATION CALL switches.

Example 1: To receive FM 106.00 MHz
(When multi-voltage model is set to 50 kHz step.)



Once the station frequency has been input, the receiver tunes in that frequency. If the input frequency falls below the lower or upper limit of the receiver's receivable frequency range (FM: 87.5 MHz – 108 MHz; AM: 530 kHz – 1,700 kHz (10 kHz step), 531 kHz – 1,602 kHz (9 kHz step) "LOWER" or "UPPER" is displayed, indicating that the frequency which has been input cannot be tuned in.

5. Adjust the volume with the MASTER VOLUME control and the tone with the GRAPHIC EQUALIZER controls.

To cancel frequency input

Direct access is canceled when the DIRECT ACCESS tuning switch is pressed again.
Under the following conditions direct access is canceled and the unit returns to the condition in effect before direct access was selected:
① If there is no key input for about five seconds after the DIRECT ACCESS tuning switch was pressed.
② If more than about eight seconds elapse between number input.

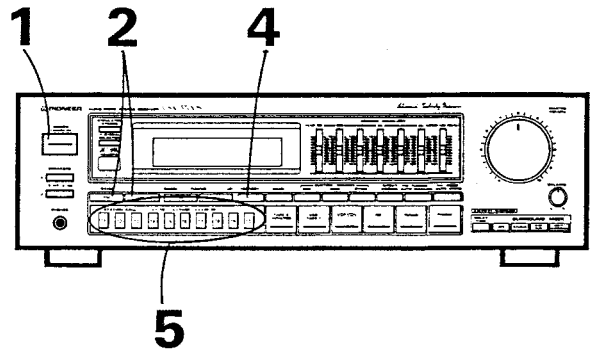
Notes regarding direct access tuning (On the U.S. and Canadian models, as well as on the Multi-voltage model with the CHANNEL STEP switch set at the 100 kHz/10 kHz position)

- There is no need to input the last digit "0" of the desired station frequency.

PRESET TUNING

FREQUENCY PRESETTING

Allows three stations per STATION CALL switch (press once, twice, or three times to select).



1. Press the POWER switch to the ON position.

NOTE:
Be sure to turn the TAPE 2 MONITOR switch OFF when listening to AM or FM broadcasts.

2. Select either FM or AM using the BAND selector switch.

3. Tune in the desired station.

- See the section "DIRECT ACCESS TUNING" for information on reception using the Direct Access Tuning mode.
- See the section "AUTO TUNING" for information on reception using the Auto Tuning mode.
- See the section "MANUAL TUNING" for information on reception using the Manual Tuning mode.

In addition to station frequencies, the FM MODE (AUTO/MONO) can also be preset.

4. Press the MEMORY switch.

5. Press the STATION CALL switch into which you wish to preset the station.

- Press the STATION CALL switch while the MEMORY indicator is flashing (about 5 seconds).
- Use the STATION CALL switches (*1 – *9, *0) to select a preset channel. One press selects the 1 – 10 range, two presses 11 – 20, and three presses 21 – 30.

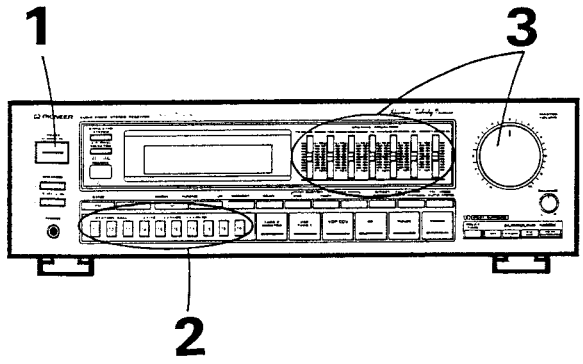
[Example] If you press key [*3] :
Once – STATION 3
Twice – STATION 13
Three times – STATION 23
Press a STATION CALL switch within two seconds.
When the display stops flashing, the station is preset.

NOTE:
Do not press switches, while the display is flashing.

6. Repeat steps 2 to 5 to preset additional stations.

Total of 30 AM and FM stations may be preset. When you store a new preset, it takes the place of the previously stored station (if any).

LISTENING TO BROADCASTS USING PRESET TUNING



1. **Press the POWER switch to the ON position.**
2. **Press the STATION CALL switch into which the desired station has been preset.**
   - When the Function switch is set to a function other than TUNER, it will switch to the TUNER function automatically if one of the STATION CALL switches is pressed.
     Tuning can be performed simply and accurately following the above procedure.
3. **Adjust the volume with the MASTER VOLUME and tone control with the GRAPHIC EQUALIZER controls.**

NOTE:
The contents of the STATION CALL switch will be preserved for several days, even if the receiver power cord is unplugged.
If a preset station has been erased, preset it again.

Last station memory

The last received AM and FM stations remain stored despite FUNCTION and/or POWER switching. To recall, use BAND selector switches.

HOW TO USE THE CUSTOM MEMORY

Preset stations can be classified into as many as three different genres according to the material played by the station. Each of these three genres can be given a name, and Memory Scan of all the stations of a particular genre can be carried out.

The initial STATION CALL numbers are classified and named as follows.

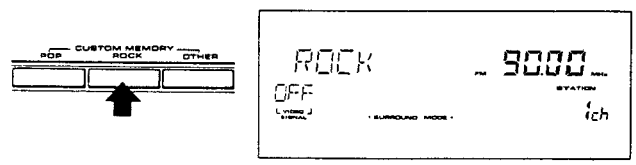
STATION CALL NO.	NAME
1 – 10	POP
11 – 20	ROCK
21 – 30	OTHER

It is recommended that you assign station call switches to appropriate stations to be preset.

Memory Scan of stations with the same genre name

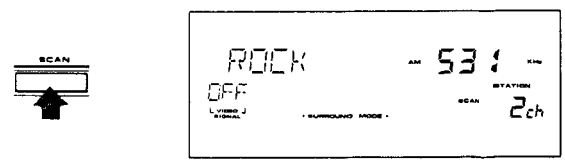
Memory Scan of all stations classified under the same genre name is possible.

1. **Press the CUSTOM MEMORY switch to display the NAME you want to Memory Scan.**



After about two seconds, the display indication returns to "TUNER". Also, if you press the CUSTOM MEMORY switch again, the display indication returns to "TUNER".

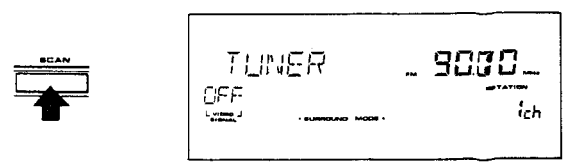
2. **Press the SCAN switch.**



- Memory Scan of stations classified under the name displayed will be carried out.
- Press the SCAN switch again to stop Memory Scan.

Memory Scan of all the station call numbers

You can recall all of the station call numbers by pressing the SCAN switch while the display shows the "TUNER".

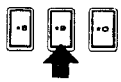


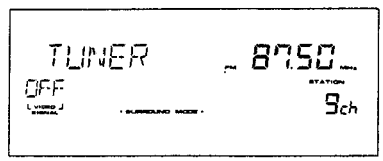
Press the SCAN switch again to stop Memory Scan.

Reclassification of a station under a different genre name

It is possible to change the genre classification of a station.
[**Example**] When you want to change the classification of the station assigned to STATION CALL number 9 from "POP" to "OTHER."

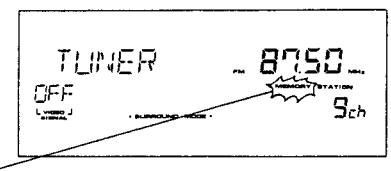
1. Press the STATION CALL 9 switch.





- The station assigned to STATION CALL number 9 will be recalled.

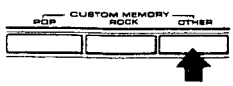
2. Press the MEMORY switch.

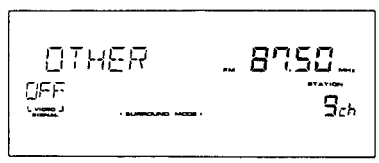


- The MEMORY indicator will flash.

3. Press the OTHER switch.

- The "OTHER" will flash.





- When the display stops flashing, the classification name of STATION CALL number 9 change to "OTHER."

How to Cancel CUSTOM MEMORY

1. Press the STATION CALL number that you wish to cancel.

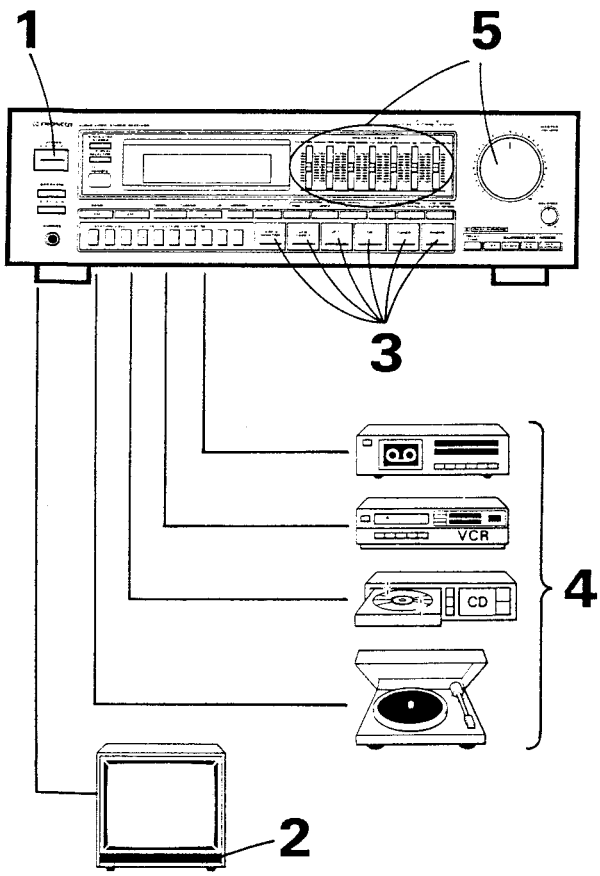
2. Press the MEMORY switch.

- The MEMORY indicator will flash.

3. While the MEMORY indicator is flashing, press twice on one of the three CUSTOM MEMORY switches.

- The display will show "TUNER." This completes cancellation.

TO WATCH OR LISTEN TO OTHER SOURCES



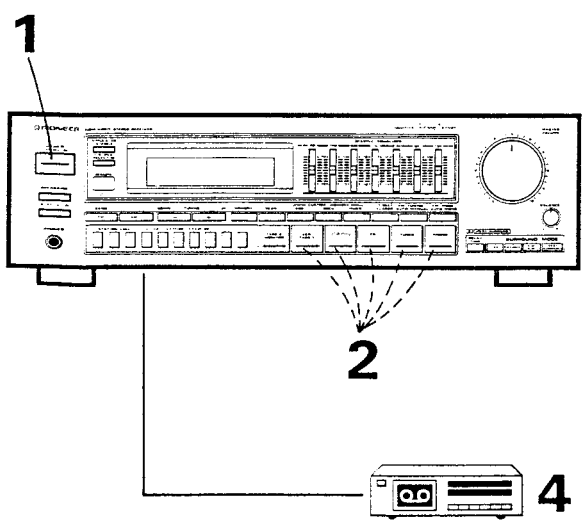
1. Turn on the POWER switch to the unit and power to the components you wish to use.
2. When using video components, switch on power to the Monitor TV.
3. Use the function switches and tape monitor switches as appropriate to select the desired program source.

	Function switch	TAPE 2 MONITOR switch
To listen to a tape on the cassette deck connected to TAPE 2 jacks	—	ON
To watch or listen to the component connected to VCR/TAPE 1 jacks	VCR/TAPE 1	OFF
To watch or listen to the component connected to VDP/CDV	VDP/CDV	OFF
To listen to a CD	CD	OFF
To listen to records	PHONO	OFF

4. Operate the appropriate audio or video component to play back the program source.
5. Adjust the volume with the MASTER VOLUME control and the tone with the GRAPHIC EQUALIZER controls.

TAPE RECORDING

[For a cassette deck]



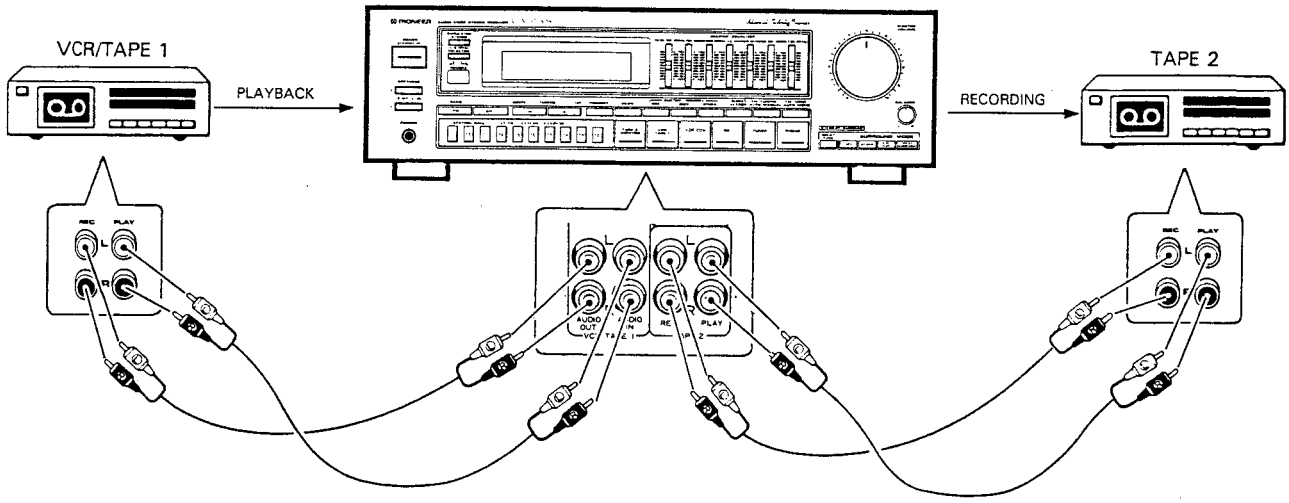
You can record an FM or AM broadcast, or a sound source connected to the VDP/VCR, CD and PHONO terminals.

1. Turn on the POWER switch of the unit.
2. Select the sound source to be recorded.
3. Turn on (or start) the sound source to be recorded.
4. Operate the cassette deck connected to the VCR/TAPE 1 or TAPE 2 terminals.
   - For details of operating the cassette deck, read the operating instructions of the cassette deck.

COPYING TAPES

When two cassette decks are used, the sound played back on the deck connected to the VCR/TAPE 1 jacks can be recorded on the deck connected to the TAPE 2 jacks:

- To make a tape copy with contents identical to the original tape.
- To edit a recording of an FM broadcast in order to cut out unwanted commercials, recording only the desired material onto another tape.

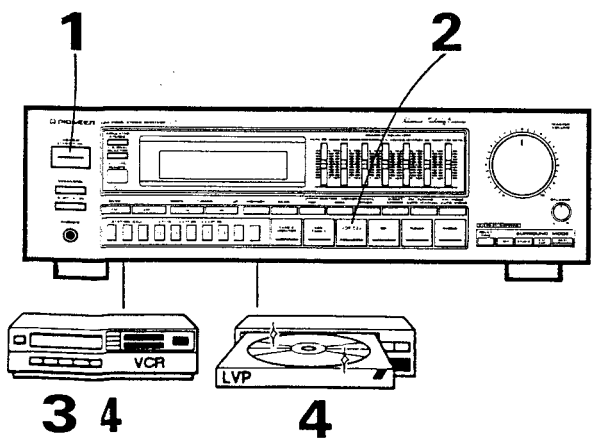


[When using two cassette decks]

1. **Load the playback tape (i.e. the pre-recorded tape) in the deck connected to the VCR/TAPE 1 jacks, and the tape to be recorded in the other deck connected to the TAPE 2 jacks.**
2. **Press the VCR/TAPE 1 switch.**
3. **Operate the cassette decks to begin copying.**
   Set the cassette deck with the non-recorded tape to the recording mode, and set the cassette deck with the original tape to the playback mode.

VCR RECORDING

When playing back from a video or audio component connected to the VDP/CDV jacks, you can record on a VCR connected to the VCR/TAPE 1 jacks.
Refer to the connection procedures on page 9 and refer to the VCR operating instructions regarding proper operation procedures.



1. **Turn on the POWER switch to the unit and power to other components.**
2. **Press the VDP/CDV switch of the function switches.**
3. **Insert a video cassette for recording into the VCR and adjust the recording level. For details, consult the Operating Instructions for the VCR used.**
4. **Start recording on a VCR, and start playback on the component connected to the VDP/CDV jacks.**
   - Select the line input for the VCR you wish to record on.

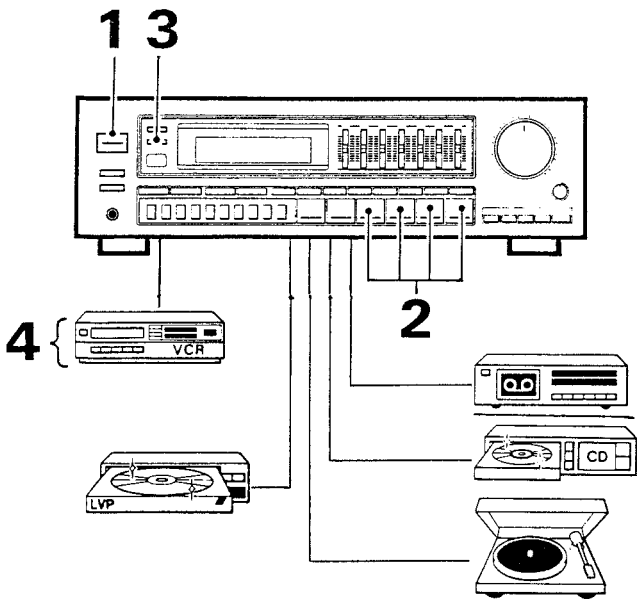
[When recording sound from an audio component on a VCR]

Operate using the following procedure 2.

2. **Use the function switch to select the desired program source. (except for the VCR/TAPE 1 and TAPE 2/ MONITOR)**
   To choose a radio tuner program source, press the desired STATION CALL switch if the station has been preset. If the desired station has not been preset, tune in the station using Auto, Manual or Direct access tuning.

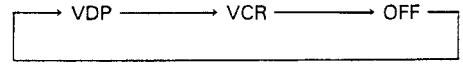
NOTE:
TAPE 2 can not be used for VCR recording.

HOW TO USE THE VIDEO SIGNAL SELECTOR



You can freely select arbitrary video and audio sources. It is possible for example to combine the sound from an FM broadcast with the picture from the video component connected to the VDP/CDV terminals and record this on a VCR connected to the VCR/TAPE 1 jacks.

1. **Turn on the POWER switch of the unit. Also, turn on the power to the components which you wish to use.**
2. **Set the function switch in accordance with the audio source which you wish to listen to, then play the audio source.**
   To select a radio tuner program source, press the desired STATION CALL switch if the station has been preset. If the desired station has not been preset, tune in the station using Auto, Manual or Direct access tuning.
3. **Set the V (VIDEO) SIGNAL SELECTOR switch in accordance with the video source which you wish to watch, then play the video source.**
   Each time you press the switch, the video source will successively change.



Making a video recording

When VDP is selected with the V SIGNAL SELECTOR, the sound of the audio component selected with the function switches can be recorded on a VCR.

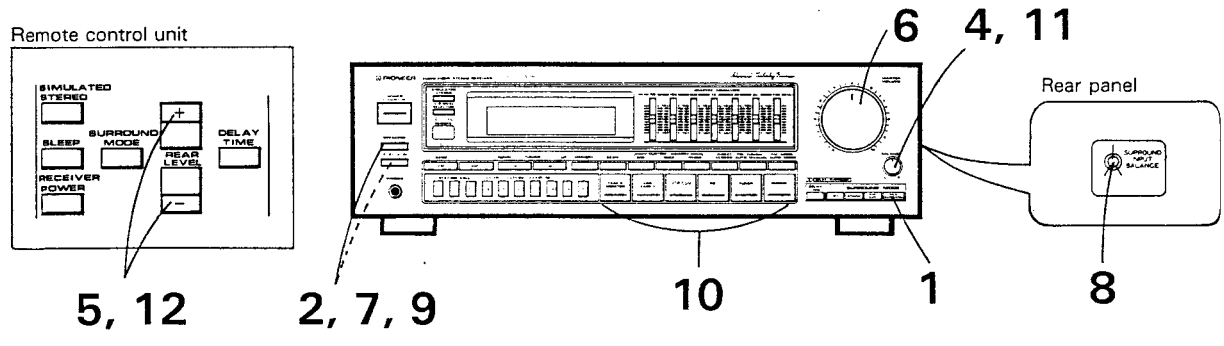
4. **Set the recording VCR to the recording mode.**

NOTE:
The V SIGNAL SELECTOR will be cleared when the function switch is pressed. Set the function switch before selecting the V SIGNAL SELECTOR.

CAUTION:
If the switch is operated during recording, do so after setting the recording VCR to the pause mode. If the switch is operated when the tape is traveling during recording, the recorded image and sound may be disrupted at the point the switch is operated.

DOLBY SURROUND INPUT BALANCE ADJUSTMENT PROCEDURE

1. Use SURROUND MODE switch to select DOLBY SURROUND.
2. Turn on front speakers.
3. Select a monaural source or dialogue portions.
4. Set BALANCE control to center position.
5. Set rear level to preset position.
   • Press REAR LEVEL + and — keys on the remote control unit to preset position (0 dB).
6. Adjust MASTER VOLUME to a suitable listening level.
7. Turn off front speakers.
8. Adjust rear panel SURROUND INPUT BALANCE knob to the position that gives minimum volume from the rear speakers.
9. Turn on front speakers.
10. Use function switches to select desired source.
11. Use BALANCE control to adjust left-to-right balance.
12. Use REAR LEVEL + and – keys on the remote control unit to adjust front-to-rear volume balance.



HINTS FOR BETTER RECEPTION

EXTERNAL FM ANTENNA

The main advantage of FM over AM is the quality of the broadcast signal. In order to benefit fully from the high signal quality of FM broadcasts, it is recommended that a special-purpose FM antenna be installed. In weak signal areas, a multi-element (3 element, 5 element, 7 element, etc.) antenna should be used.

FM OUTDOOR ANTENNA CONNECTIONS

There are two ways of connecting the FM antenna to the antenna input terminals: with a 300 Ω twin-lead feeder or with a 75 Ω coaxial cable. To get the most from the receiver performance, a 75 Ω coaxial cable is recommended since it is more immune than the twin-lead feeder to noise and interference from external sources. If an FM antenna has already been erected outdoors, connect it, referring to the figure.

GROUNDING

Grounding is recommended if reception of FM programs is impaired by noise. To ground, connect a thick polyvinyl insulated wire to the GND terminal and attach the other end to a metal water pipe or grounding bar or wind it around a copper plate and bury it.

NOTE:
Never connect a wire to a gas pipe for grounding since sparks may ignite the gas.

EXTERNAL AM ANTENNA

If it is not possible to obtain adequate AM reception even by changing the orientation of the AM loop antenna, a separate indoor antenna, or an outdoor antenna should be installed.

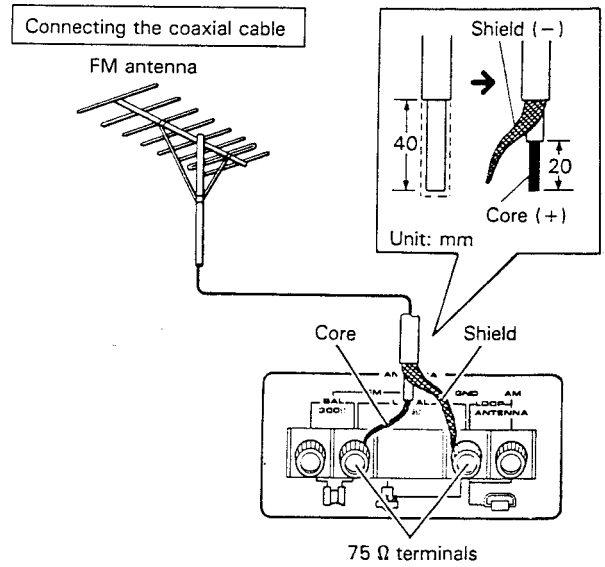
INDOOR AM ANTENNA

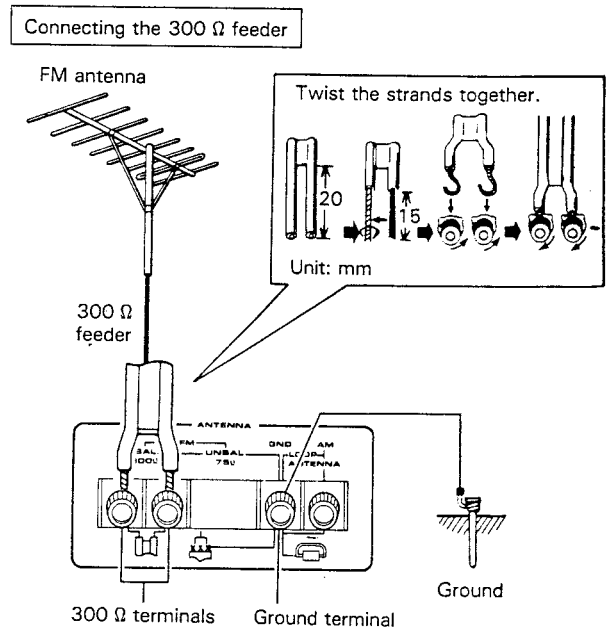
Use a vinyl insulated wire (5 — 6m) and connect one end to the AM antenna terminal and affix the other end to the wall or ceiling, as high as possible.

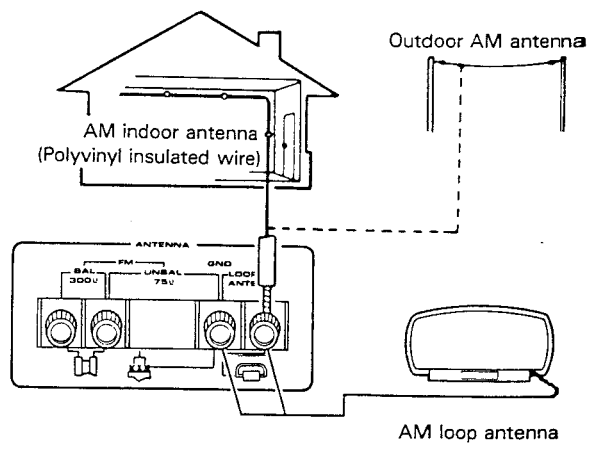
OUTDOOR AM ANTENNA

If reception quality is not improved sufficiently even when an indoor antenna is used, a vinyl insulated wire should be installed outside and fixed in place.

NOTE:
Do not detach the AM loop antenna when using an indoor or an outdoor AM antenna.





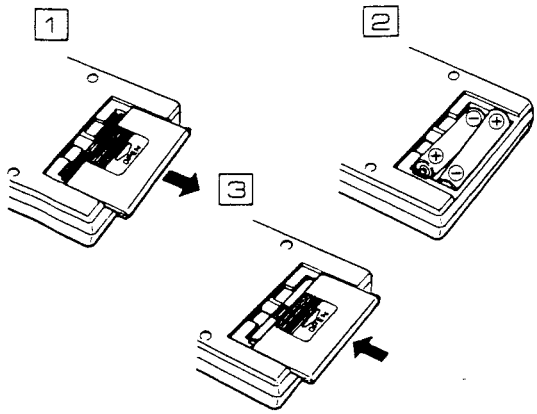


VSX-3600 REMOTE CONTROL OPERATION

Refer to p.27 for an explanation of VSX-3700S remote control operation.

LOADING BATTERIES

1. Open the battery compartment cover on the rear of the remote control unit. The cover should open easily if you slide it in the direction of the arrow while pressing on it with your thumb.
2. Take out the two supplied batteries size "AA" (R6/UM-3), and insert them into the battery compartment in accordance with the indications in the compartment.
3. Close the cover of the battery compartment.



Incorrect use of batteries may lead to leakage or rupture. Always be sure to follow these guidelines:

A.
Always insert batteries into the battery compartment correctly matching the positive (+) and negative (−) polarities, as indicated inside the compartment.

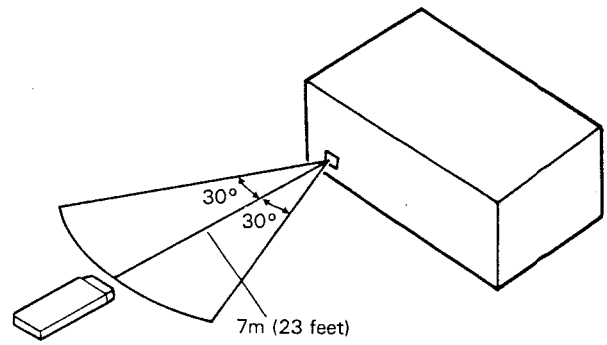
B.
Never mix new and used batteries.

C.
Batteries of the same size may have different voltages, depending on their type. Do not mix different types of batteries.

REMOTE CONTROL RANGE

When operating the remote control unit, point the front of the unit at the front panel of the receiver. The remote control unit may be used within a range of about 7 meters (23 feet) from the remote sensor, within angles of up to about 30 degrees.

Performance of the remote control unit is adversely affected in the presence of strong fluorescent light. Keep such lights away, especially from the sensor window.



Battery Replacement

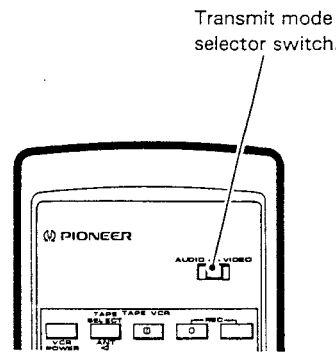
As battery power runs down, the range over which the remote control unit can operate decreases. When the range becomes too short, change the batteries.

Transmit mode selector switch

AUDIO:
Select this position for remote control operation of audio equipment such as a CD player, tape deck, turntable or receiver.

VIDEO:
Select this position for remote control operation of video equipment such as a Video disc player (LD player), VCR or TV.

The initial functions can operate all products compatible with PIONEER's common system remote control units marked with the symbol SR.



■ RECEIVER AMPLIFIER SECTION OPERATION

INPUT SELECTOR keys:
Press VCR/TAPE 1, VDP/CDV, TAPE 2, CD, TUNER or PHONO to select the amplifier input.

SURROUND MODE key:
The surround mode is switched in the following manner each time the key is pressed:

STUDIO → SIMULATED SURROUND → DOLBY SURROUND → OFF

SLEEP timer key:
Activates the SLEEP timer. The length changes in the following manner each time the key is pressed:

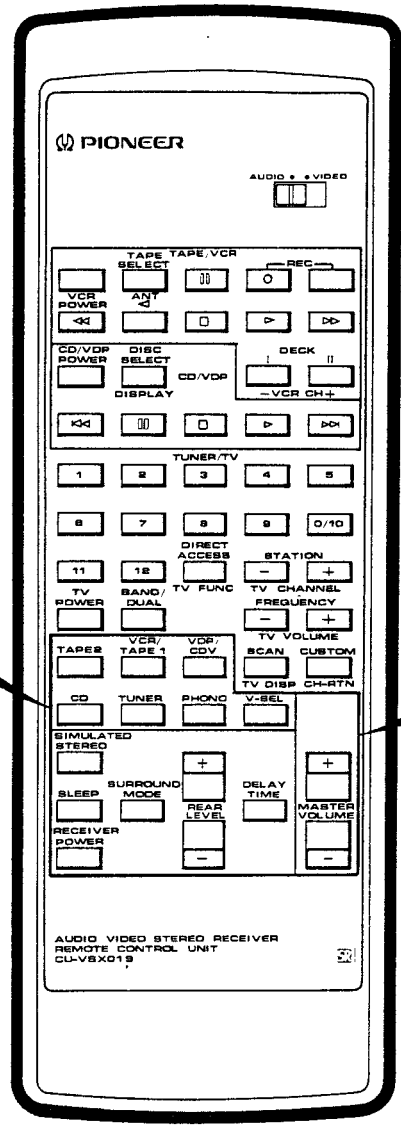
60 → 30 → 0

Unit: minutes

While the SLEEP timer is activated, the receiver's display section, graphic equalizer control knobs become less bright (dimmer function).
"SLEEP" appears in the display section. The time is indicated in the station No. display area. (Example: "60 ^{min}".)

RECEIVER POWER key:
Switches the receiver power ON/STANDBY.

SIMULATED STEREO key:
This switches the simulated stereo mode ON and OFF.



REAR LEVEL (+, –) keys:
Adjusts the sound level of the rear speakers to the level of the front speakers.

MASTER VOLUME keys:
Adjusts the overall (front and rear) volume.

DELAY TIME key:
Switches the delay time for surround each time it is pressed.

① **DOLBY SURROUND:**

15 → 20 → 25 → 30

Unit: ms

② **SIMULATED SURROUND:**

5 → 10 → 15 → 20 → 25 → 30 → 35

Unit: ms

V-SEL (Video signal selector) key
This switches the signal output from the MONITOR TV OUT jack.

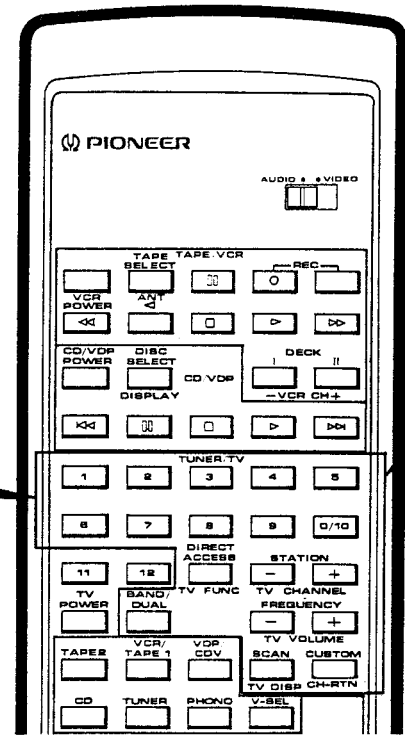
VDP → VCR → OFF

■ RECEIVER TUNER SECTION OPERATION

Set the Transmit mode selector switch to AUDIO.

TUNER function keys (operation of FM/AM Tuner)

1 to 0/10 (STATION CALL) keys:
For recall of tuner presets.
To recall stations with station numbers higher than 11, use the STATION CALL switches on the remote control unit in the same way, pressing the same key twice or three times.
BAND key:
Switches the FM and AM bands by turns.
DIRECT ACCESS key:
Use this for direct access tuning. After pressing this key, you can tune by specifying the frequency with the 1 to 0/10 keys.
FREQUENCY + (Up):
Shifts the frequency up.
FREQUENCY – (Down):
Shifts the frequency down.
STATION + (Up):
This takes you to higher station numbers in sequence.
STATION – (Down):
This takes you to lower station numbers in sequence.



SCAN key:
Use this to start memory scan of stations. When you recall a custom memory name, stations in the custom memory are scanned.
CUSTOM key:
Use this to recall custom memory names.

■ TV OPERATION

Set the Transmit mode selector switch to VIDEO.

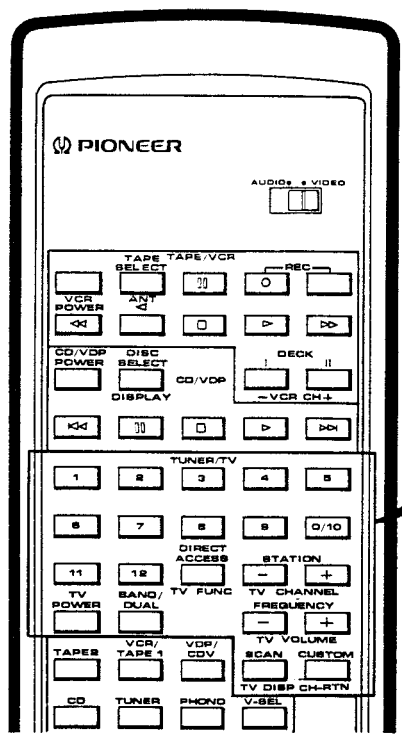
TV function keys (operation of component display or projection monitor receiver)

1 to 12 (CHANNEL CALL DIGIT) keys:
Used to call up channels.
CH-RTN (CHANNEL RETURN) key:
Returns to the previously received channel.
TV CHANNEL + (UP) key:
Changes the channel in the direction of larger CHANNEL CALL DIGIT numbers.
TV CHANNEL – (DOWN) key:
Changes the channel in the direction of smaller CHANNEL CALL DIGIT numbers.
DUAL (MTS) key:
Switches between MAIN, SAP, MAIN/SAP and (MONO). See the TV operating instructions for details.

TV VOLUME +, – keys:
Raises and lowers the TV volume.
TV POWER key:
Switches the power of the TV ON/OFF.
TV FUNC (FUNCTION) keys:
Selects each function in a cyclic manner.

NOTE:
Some televisions cannot be controlled using the TV FUNC key.

TV DISP (DISPLAY) key:
Puts display on TV screen. Clears display from screen.



■ CD PLAYER OPERATION

Set the Transmit mode selector switch to AUDIO.

CD Function Keys (Operation of CD player)

CD POWER key:
Switches CD player power ON/OFF. (This only applies to CD players which you can switch ON/OFF by remote control operation)

|◄◄ (TRACK SEARCH) key:
Returns to the beginning of the track currently playing.

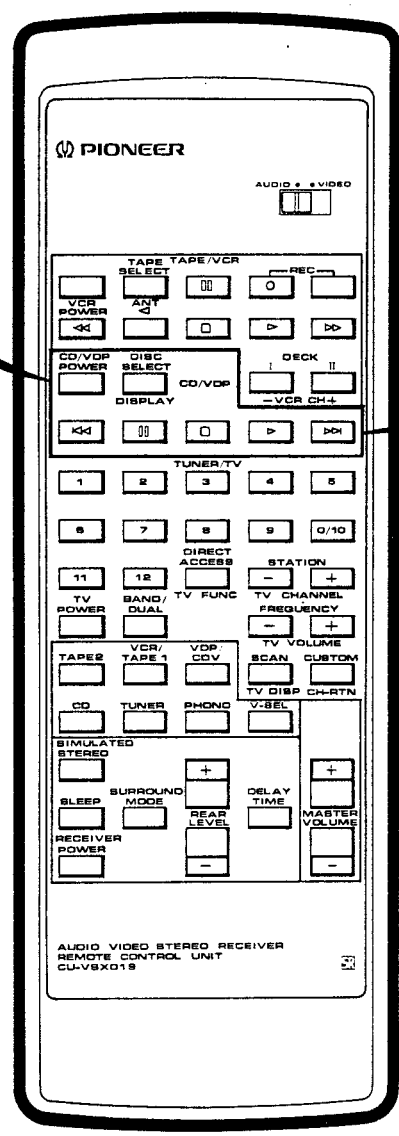
►►| (TRACK SEARCH) key:
Advances to the next track.

DISC SELECT key:
Selects the DISC No. (1 to 6) for multi-play compact disc players.

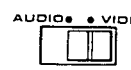
II (PAUSE) key:
Pauses playback.

■ (STOP) key:
Stops playback.

► (PLAY) key:
Selects playback.



■ VDP OPERATION



Set the Transmit mode selector switch to VIDEO.

VDP function keys (operation of LD player)

VDP POWER key:
Switches VDP power ON/OFF. (This only applies to LD players which you can switch ON/OFF by remote control operation)

|◄◄ (CHAPTER SKIP) key:
Returns to the beginning of the present chapter.

►►| (CHAPTER SKIP) key:
Advances to the next chapter.

DISPLAY call key:
Clears the chapter and frame/time displays on the screen.

II (PAUSE) key:
Video and audio are stopped and playback is paused.

■ (STOP/EJECT) key:
Playback is stopped when pressed once. Pressing again causes the disc tray to come out.

► (PLAY) key:
Selects playback.

■ CASSETTE DECK OPERATIONS

AUDIO ● ● VIDEO

Set the Transmit mode selector switch to AUDIO.

TAPE function keys

(REC) key:
Pressing both keys at the same time selects the recording (or recording standby) mode.

II (PAUSE) key:
Temporarily stops tape transport. Press again to resume tape transport.

I (DECK I) key:
Switches to the deck I functions when using a double cassette deck.

II (DECK II) key:
Switches to the deck II functions when using a double cassette deck.

◄◄ (FF) key:
Rapidly advances the tape in the direction of the arrow.

◄ (PLAY) key:
Selects reverse playback.

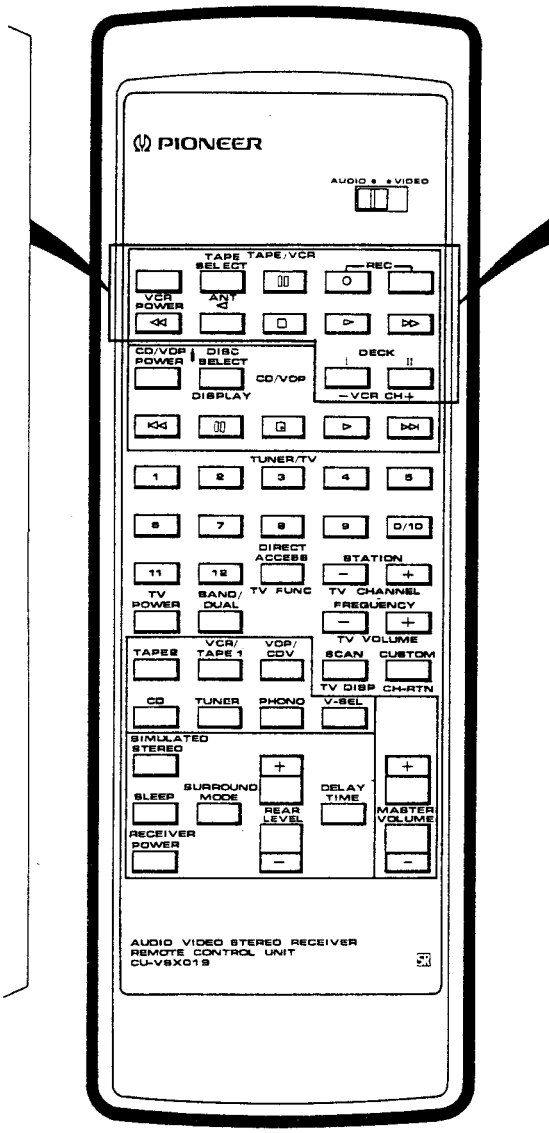
■ (STOP) key:
Stops the tape transport.

► (PLAY) key:
Selects forward playback.

►► (FF) key:
Rapidly advances the tape in the direction of the arrow.

TAPE SELECT key:
Selects the cassette No.(1 to 6) for multi-cassette changer.

NOTE:
- *Some cassette decks cannot be controlled using this switch.*
- *The ◄ key can only be used with cassette decks capable of reverse play.*
- *Some keys will not work with all types of cassette decks. Refer to the operating instructions for more information.*



■ VCR OPERATIONS

AUDIO ● ● VIDEO

Set the Transmit mode selector switch to VIDEO.

VCR function keys (operation of VCR)

VCR POWER key:
Switches VCR power ON/OFF.

(REC) key:
Pressing both keys at the same time selects the recording mode.

II (PAUSE/STILL) key:
Sets pause and stills picture.

VCR CH – (DOWN) key:
Shifts channels in descending order.

VCR CH + (UP) key:
Shifts channels in ascending order.

◄◄ (REW) key:
Rewinds the tape and allows picture search.

ANT key:
This key can be used only for VCRs with a VCR/TV selector.
Toggles the antenna output between VCR and TV.

■ (STOP) key:
Stops tape transport.

► (PLAY) key:
Selects playback.

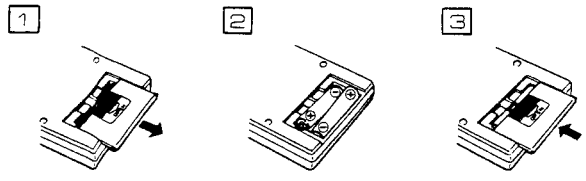
►► (FF) key:
Rapidly advances the tape and allows picture search.

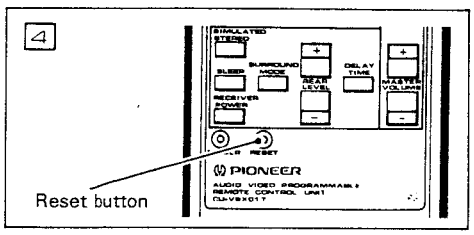
VSX-3700S REMOTE CONTROL OPERATION

Refer to p.22 for an explanation of VSX-3600 remote control operation.

LOADING BATTERIES

1. Open the battery compartment cover on the rear of the remote control unit. The cover should open easily if you slide it in the direction of the arrow while pressing on it with your thumb.
2. Take out the two supplied alkaline batteries size "AA" (LR6/AM-3), and insert them into the battery compartment in accordance with the indications in the compartment.
3. Close the cover of the battery compartment.
4. Press the PRESET switch on the front lower left with the tip of the pen, etc.





Incorrect use of batteries may lead to leakage or rupture. Always be sure to follow these guidelines:

A.
Always insert batteries into the battery compartment correctly matching the positive (+) and negative (−) polarities, as indicated inside the compartment.

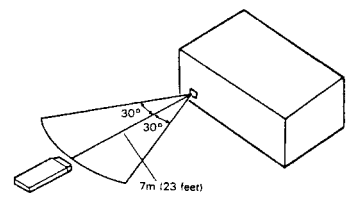
B.
Never mix new and used batteries.

C.
Batteries of the same size may have different voltages, depending on their type. Do not mix different types of batteries.

REMOTE CONTROL RANGE

When operating the remote control unit, point the front of the unit at the front panel of the receiver. The remote control unit may be used within a range of about 7 meters (23 feet) from the remote sensor, within angles of up to about 30 degrees.

Performance of the remote control unit is adversely affected in the presence of strong fluorescent light. Keep such lights away, especially from the sensor window.



Battery Replacement

When the batteries have run out, the transmit indicator will not illuminate even when a key is pressed. Be sure to replace the batteries as soon as possible. As the programmed functions will be retained in memory only as long as batteries are inserted, remove the old batteries only if they can be replaced by new ones immediately.

Also, be sure to always use the specified batteries. [size "AA" (LR6/AM-3) alkaline batteries]

NOTE:

When no batteries are inserted, the programmed memory contents will be erased after 30 to 60 minutes.

OPERATION

① Transmit mode selector switch

AUDIO:

Select this position for remote control operation of audio equipment such as a CD player, tape deck, turntable or receiver.

VIDEO:

Select this position for remote control operation of video equipment such as a Video disc player (LD player), VCR or TV.

② TRANSMIT/LEARN indicator

When the LEARN selector switch is at the SR RECALL or USE position:
The indicator flashes when a key is pressed.
When the LEARN selector switch is at the LEARN position:
The indicator lights when the unit is in the learning standby mode.

③ LEARN selector switch

This can be set as follows:

LEARN:

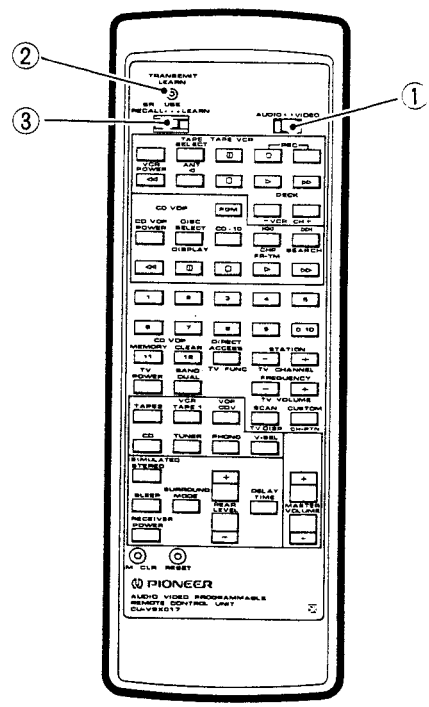
This position is used for storing the codes of your remote control unit.

USE:

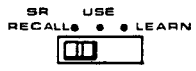
Set to this position after codes have been stored in the LEARN position. (Set to this position when using memorized commands.)
In the initial state, the SR RECALL position is equivalent to the Pioneer unified remote control code.

SR RECALL:

Set to this position when transmitting Pioneer unified remote control code signals (Marked on the remote control unit).



■ RECEIVER AMPLIFIER SECTION OPERATION



Set the LEARN select switch to SR RECALL.

INPUT SELECTOR keys:
Press VCR/TAPE 1, VDP/CDV, TAPE 2, CD, TUNER or PHONO to select the amplifier input.

SURROUND MODE key:
The surround mode is switched in the following manner each time the key is pressed:

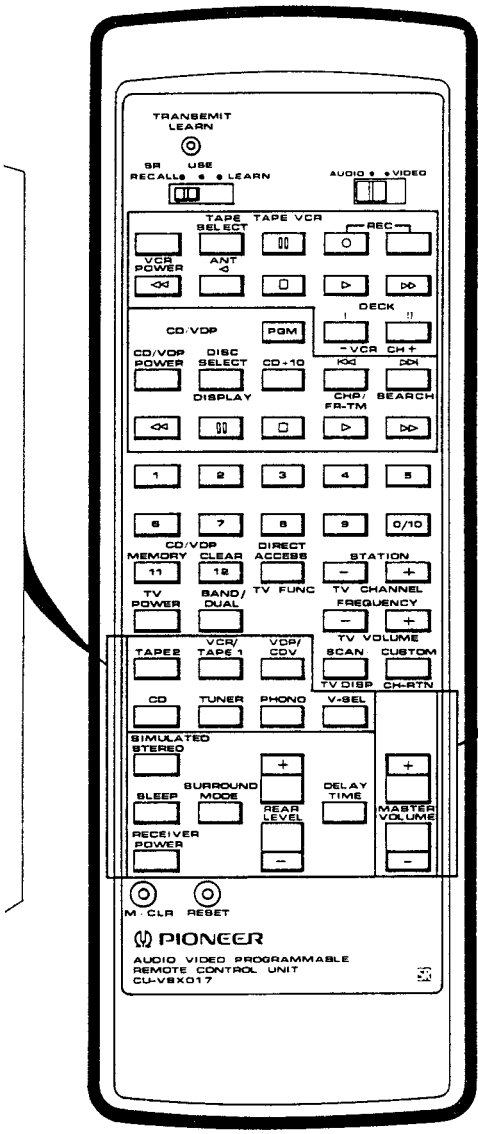
STUDIO ⟶ SIMULATED SURROUND
OFF ⟵ DOLBY SURROUND ⟵

SLEEP timer key:
Activates the SLEEP timer. The length changes in the following manner each time the key is pressed:

⟶ 60 ⟶ 30 ⟶ 0 ⟶

Unit: minutes

While the SLEEP timer is activated, the receiver's display section, graphic equalizer control knobs become less bright (dimmer function).
"SLEEP" appears in the display section. The time is indicated in the station No. display area. (Example: "60 min".)



RECEIVER POWER key:
Switches the receiver power ON/STANDBY.

SIMULATED STEREO key:
This switches the simulated stereo mode ON and OFF.

REAR LEVEL (+, –) key:
Adjusts the sound level of the rear speakers to the level of the front speakers.

MASTER VOLUME (+, –) keys:
Adjusts the overall (front and rear) volume.

DELAY TIME key:
Switches the delay time for surround each time it is pressed.

① **DOLBY SURROUND:**

⟶ 15 ⟶ 20 ⟶ 25 ⟶ 30 ⟶

Unit: ms

② **SIMULATED SURROUND:**

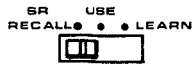
⟶ 5 ⟶ 10 ⟶ 15 ⟶ 20 ⟶
⟵ 35 ⟵ 30 ⟵ 25 ⟵

Unit: ms

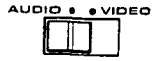
V-SEL (Video signal selector) key
This switches the signal output from the MONITOR TV OUT jack.

⟶ VDP ⟶ VCR ⟶ OFF ⟶

■ RECEIVER TUNER SECTION OPERATION



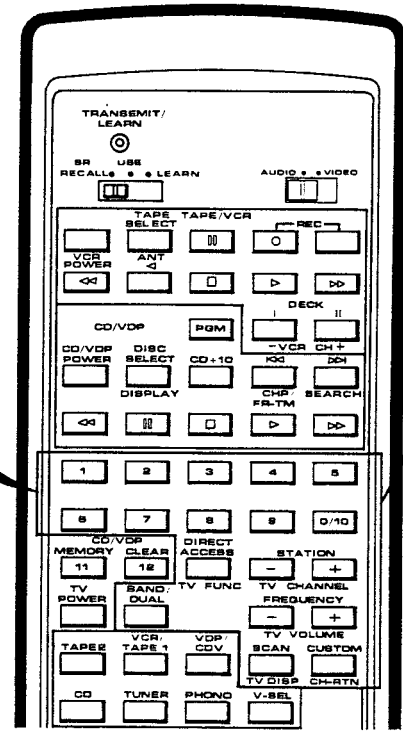
Set the LEARN selector switch to SR RECALL.



Set the Transmit mode selector switch to AUDIO.

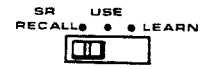
TUNER function keys (operation of FM/AM Tuner)

1 to 0/10 (STATION CALL) keys:
For recall of tuner presets.
To recall stations with station numbers higher than 11, use the STATION CALL switches on the remote control unit in the same way, pressing the same key twice or three times.
BAND key:
Switches the FM and AM bands by turns.
DIRECT ACCESS key:
Use this for direct access tuning. After pressing this key, you can tune by specifying the frequency with the 1 to 0/10 keys.
FREQUENCY + (Up):
Shifts the frequency up.
FREQUENCY – (Down):
Shifts the frequency down.
STATION + (Up):
This takes you to higher station numbers in sequence.
STATION – (Down):
This takes you to lower station numbers in sequence.



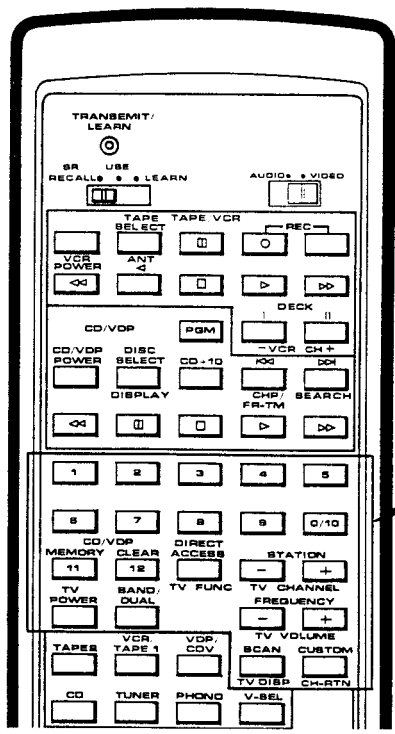
SCAN key:
Use this to start memory scan of stations. When you recall a custom memory name, stations in the custom memory are scanned.
CUSTOM key:
Use this to recall custom memory names.

■ TV OPERATION



Set the LEARN selector switch to SR RECALL.

Set the Transmit mode selector switch to VIDEO.



TV function keys (operation of component display or projection monitor receiver)

1 to 12 (CHANNEL CALL DIGIT) keys:
Used to call up channels.
CH-RTN (CHANNEL RETURN) key:
Returns to the previously received channel.
TV CHANNEL + (UP) key:
Changes the channel in the direction of larger CHANNEL CALL DIGIT numbers.
TV CHANNEL – (DOWN) key:
Changes the channel in the direction of smaller CHANNEL CALL DIGIT numbers.
DUAL (MTS) key:
Switches between MAIN, SAP, MAIN/SAP and (MONO). See the TV operating instructions for details.
TV VOLUME +, – keys:
Raises and lowers the volume.
TV POWER key:
Switches the power of the TV ON/OFF.
TV FUNC (FUNCTION) keys:
Selects each function in a cyclic manner.

NOTE:
Some televisions cannot be controlled using the TV FUNC key.

TV DISP (DISPLAY) key:
Puts display on TV screen. Clears display from screen.

REMOTE CONTROLLING OF ANY OTHER OF YOUR AUDIO-VISUAL COMPONENTS VIA THIS UNIT REQUIRES:

1. All components must be remote controllable (have sensor window on front panel) to receive direct commands from this unit, upon successful learning of those commands by this programmable unit or,
2. All units must have remote control jacks (IN/OUT) on the rear panel and be correctly connected to the receiver according to the diagram on page 6.

■ CD PLAYER OPERATION

Set the LEARN select switch to SR RECALL.

Set the Transmit mode selector switch to AUDIO.

CD Function Keys (Operation of CD player)

CD POWER key:
Switches CD player power ON/OFF. (This only applies to CD players which you can switch ON/OFF by remote control operation)

|◄◄ (TRACK SEARCH) key:
Returns to the beginning of the track currently in playing.

►►| (TRACK SEARCH) key:
Advances to the next track.

DISC SELECT key:
Selects the DISC No. (1 to 6) for multi-play compact disc players.

II (PAUSE) key:
Pauses playback.

■ (STOP) key:
Stops playback.

► (PLAY) key:
Selects playback.

PGM key:
Press to program the CD player.

◄◄ (MANUAL SEARCH) key:
Selects fast backward.

►► (MANUAL SEARCH) key:
Selects fast forward.

1*-0/10* (numeric) keys:
For direct selection of a track or programming of tracks.

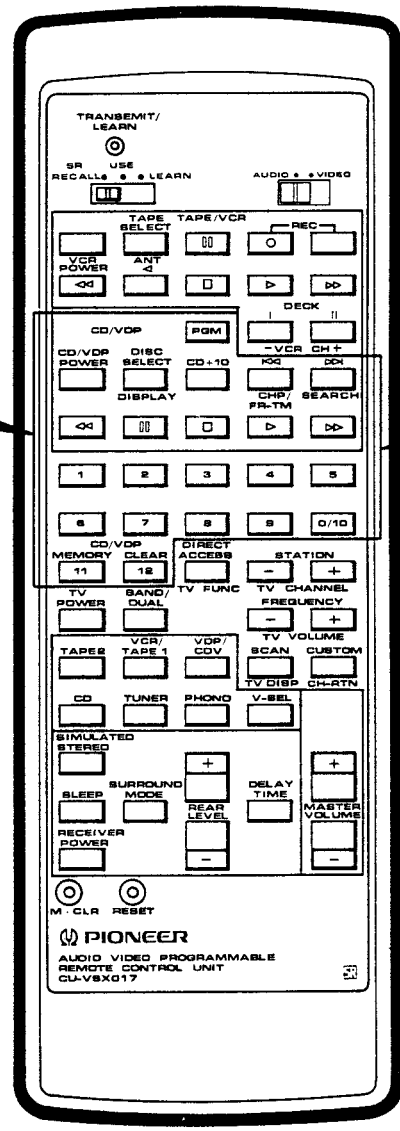
MEMORY* key:
Memorizes a program.

CLEAR* key:
Erases a memorized program.

> • When using these as CD keys, first press the PGM key. If you don't press the PGM key, they will operate as keys for the STATION CALL tuning function.

CD +10 key:
Use this key when programming a TRACK NUMBER higher than 10. (Example) When programming TRACK NUMBER 21, press the CD +10 key twice and then key 1.

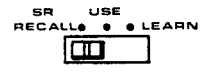
NOTE:
You may not be able to use the CD +10 key with certain CD players.



CHP/FR-TM (CHAPTER/FRAME*TIME) key:
Used for chapter or frame (time) search operation.

SEARCH key:
Used for the search operation and for the memory repeat operation.

■ VDP OPERATION



Set the LEARN select switch to SR RECALL.

Set the Transmit mode selector switch to VIDEO.

VDP function keys (operation of LD player)

VDP POWER key:
Switches VDP power ON/OFF. (This only applies to LD players which you can switch ON/OFF by remote control operation)

DISPLAY call key:
Clears the chapter and frame/time displays from the screen.

II (PAUSE) key:
Video and audio are stopped and playback is paused.

■ (STOP/EJECT) key:
Playback is stopped when pressed once. Pressing again causes the disc tray to come out.

► (PLAY) key:
Selects playback.

PGM (PROGRAM) key:
Allows use of chapter program play, frame search and time search.

◄◄ (SCAN) key:
Selects fast backward.

►► (SCAN) key:
Selects fast forward.

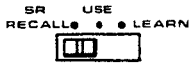
1*-0/10* (numeric) keys:
Used for chapter and frame/time number search and for chapter program play.

MEMORY* key:
Used for chapter program play.

CLEAR* key:
Used for releasing repeat playback, number correction and mode release during search operation, and for releasing chapter program play.

> • When using these as VDP keys, first press the PGM or CHP/FR-TM key. If you don't press the PGM or CHP/FR-TM key, they will operate as keys for the TV CHANNEL CALL tuning function.

■ CASSETTE DECK OPERATION



Set the LEARN select switch to SR RECALL.

Set the TRANSMIT mode selector switch to AUDIO.

TAPE function keys

(REC) key:
Pressing both keys at the same time selects the recording (or recording standby) mode.

II (PAUSE) key:
Temporarily stops tape transport. Press again to resume tape transport.

I (DECK I) key:
Switches to the deck I functions when using a double cassette deck.

II (DECK II) key:
Switches to the deck II functions when using a double cassette deck.

◄◄ (FF) key:
Rapidly advances the tape in the direction of the arrow.

◄ (PLAY) key:
Selects reverse playback.

■ (STOP) key:
Stops the tape transport.

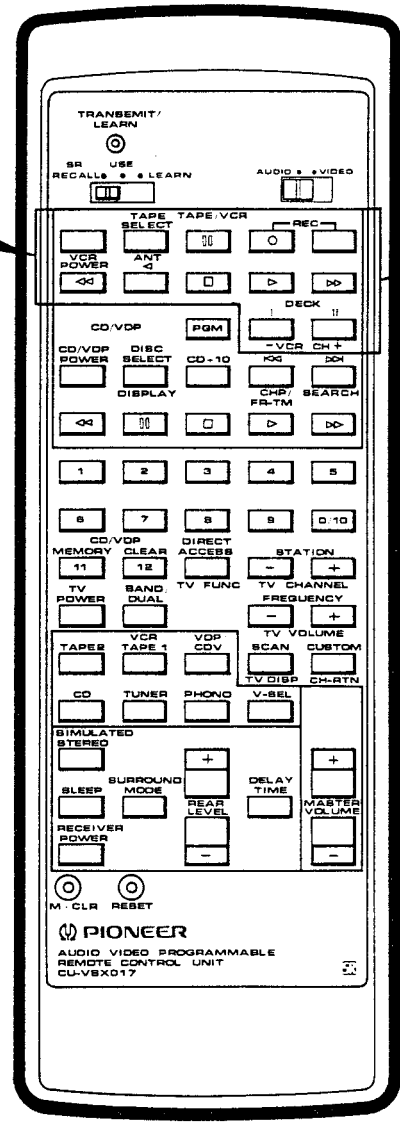
► (PLAY) key:
Selects forward playback.

►► (FF) key:
Rapidly advances the tape in the direction of the arrow.

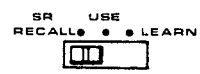
TAPE SELECT key:
Selects the cassette No.(1 to 6) for multi-cassette changer.

NOTE:

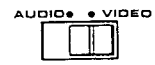
- *Some cassette decks cannot be controlled using this switch.*
- *The ◄ key can only be used with cassette decks capable of reverse play.*
- *Some keys will not work with all types of cassette decks. Refer to the operating instructions for more information.*



■ VCR OPERATION



Set the LEARN select switch to SR RECALL.



Set the TRANSMIT mode selector switch to VIDEO.

VCR function keys (operation of VCR)

VCR POWER key:
Switches VCR power ON/OFF.

(REC) key:
Pressing both keys at the same time selects the recording mode.

II (PAUSE/STILL) key:
Sets pause and stills picture.

VCR CH – (DOWN) key:
Shifts channels in descending order.

VCR CH + (UP) key:
Shifts channels in ascending order.

◄◄ (REW) key:
Rewinds the tape and allows picture search.

ANT key:
This key can be used only for VCRs with a VCR/TV selector.
Toggles the antenna output between VCR and TV.

■ (STOP) key:
Stops tape transport.

► (PLAY) key:
Selects playback.

►► (FF) key:
Rapidly advances the tape and allows picture search.

PROGRAMMING

Introduction

This system remote control can "learn" the commands of other remote control units, regardless of manufacturer, as long as the other unit is of the infrared type.
On rare occasions, programming this unit may be impossible with some special types of infrared remote control units.
In some cases you may still need the original remote control unit for special situations. But as a rule, you will be able to use this Pioneer remote for most system control needs, including video as well as audio equipment.

LEARNING KEYS

Excluding the PGM key in the AUDIO and VIDEO modes, and the CHP/FR-TM key in the VIDEO mode, all other keys are programmable. When programming a key, the previous program on the button is erased. In the AUDIO and VIDEO modes, the Pioneer unified remote control code is already programmed in the unit. If your audio and video equipment consists of Pioneer components, the remote control unit can be used as is. If you wish to program functions which do not already exist in the memory, use the LEARN function to program them. It is also possible to return to the original Pioneer commands after programming other commands. (Refer to page 33 "Returning to the Initial Settings" for this procedure.)

- In each mode, one function per key can be programmed.
- When presetting keys, make sure that the remote control units of both this and the other component are loaded with fresh batteries.

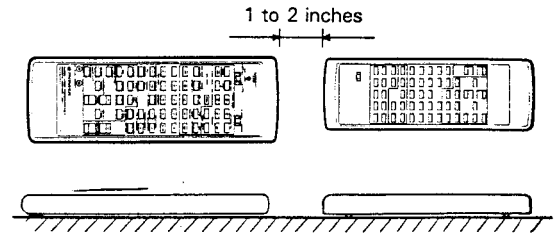
LEARNING CAPACITY

About 40 commands are adequate for Pioneer's remote control signal. More commands than this can't be programmed even if there are keys which have not been preset.
Switching the transmit mode selector's position between AUDIO and VIDEO lets you program a single key with two commands. (During use, switch to the position you programmed in.)

When teaching functions with names that differ from those of the keys, write in the names or codes of the functions on the supplied template and place on the key.

[Operation example]

1. Set the LEARN switch of the programmable remote control unit to the LEARN position and set the Transmit mode selector switch to the VIDEO position.
   - Programming is possible with the Transmit mode selector switch in any position, but VIDEO is used as an example.
2. Place the transmission sections of the programmable remote control unit and the remote control of the VCR facing each other.



   - Place the two units on a table, separated by 2 to 5 cm (1 to 2 inches).
     Memorization will not be possible if they are too close.
3. Hold down the VCR PLAY key of the Programmable remote control unit until the TRANSMIT/LEARN indicator lights up, then release the key.
4. Hold down the PLAY key of the VCR remote control unit.
5. Release the key of the VCR remote control unit after making sure that the TRANSMIT/LEARN indicator has gone out on the Pioneer remote control unit.

NOTE:
If the TRANSMIT/LEARN indicator flashes, it indicates that you are trying to preset a key not available for the learning function, or otherwise the program capacity has been exceeded. In this case, the function programmed last will not be memorized correctly. All previously programmed functions, however, will be retained in memory and may be used as they are if the last function is not essential. For re-programming refer to page 33 "Returning to the Initial Settings."

6. Set the LEARN selector switch of the programmable remote control unit to the USE position.
   - The previous code (Pioneer uniform remote control code or code for other equipment) is erased and replaced by the new code.
7. Check that the program works.
   - Try actual operation and make sure the unit works properly.
   - If the VCR does not operate when pressing the key, change angle, position and distance between the remote control units and repeat the programming procedure.
   - When programming, make sure that the function indications (for example, ►, ►►, ■) on the other remote control unit and the programmable remote control unit are the same. This will facilitate operation.

NOTE:
Be careful when using the learn function because signals from the transmitting remote control unit may be reflected from walls or the ceiling, and may arrive at the sensor of a component other than the programmable remote control unit. It's a good idea to remove the tape from a cassette deck or VCR in case they are accidentally activated. It is also preferable to unplug the power cords of system components from power outlets, or cover the remote sensors of remote controlled components to prevent accidental operation.

Questions and Answers about the Learning Function

Q: The remote control unit of my VCR has two REC (recording) keys. They both have to be pressed at the same time to start recording. What is the learning procedure in this case?

A: Hold one of the keys on the programmable remote control depressed (other than the REC key) until the LEARN indicator lights up, and then press the two keys on the VCR remote control simultaneously.

Q: The remote control unit of my VCR has a REC (recording) key and a PLAY (playback) key and they both have to be pressed at the same time to start recording. What is the learning procedure in this case?

A: Hold one of the keys on the programmable remote control depressed (ther than the REC key) until the LEARN indicator lights up, and then press the REC and PLAY keys on the VCR remote control simultaneously.

NOTE:

- *As described above, operations which require two keys to be pressed at the same time are programmed by pressing the two keys simultaneously.*
- *There are 2 REC keys on the remote control unit to prevent miss-operation. To start recording, or to memorize a command code with the REC keys, they must both be pressed at the same time.*

Operating other equipment using the programmable remote control unit

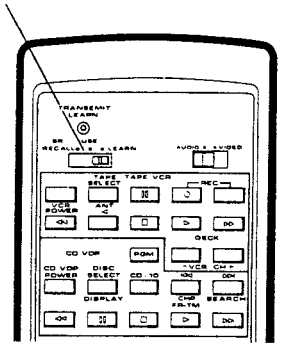
1. Set the LEARN switch of the programmable remote control unit to the USE position.
2. Set the Transmit mode selector switch to the desired position (AUDIO/VIDEO).
   - Set to the VIDEO position for programming as described in the example.
3. Press the key of the desired function.
   - The TRANSMIT/LEARN indicator lights up while the remote control unit is sending codes.

NOTE:

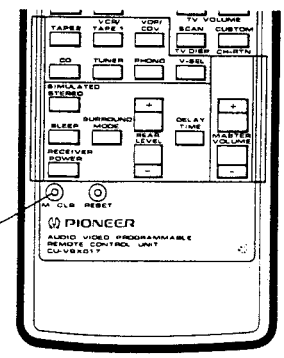
- *When operating programmed keys, always set the LEARN switch to the USE position. Operation is not possible in the LEARN position.*
- *For functions which require two keys to be pressed at the same time (recording etc.) or functions for which several codes are sent simultaneously (auto functions, timer programming, etc.) the programming procedure is different and improper operation may occur.*

Returning to the Initial Settings

1. Set the LEARN selector switch to the LEARN position.



2. Press any of the keys available for programming. The TRANSMIT/LEARN indicator will illuminate.
3. Use a ball-point pen or similar object to press the M•CLR button while the TRANSMIT/LEARN indicator is flashing.



- The programmed functions for the AUDIO and VIDEO positions are cleared, and the remote control unit is reset to the Pioneer uniform remote control codes.
- Press the button gently; do not use excessive force.

The following is the summary of the remote function modes. It is noteworthy that the unit can learn audio or video type of commands regardless of the setting of the transmit mode. This means you can program audio commands while the mode selector switch is on video and vice versa.

		TRANSMIT MODE SELECTOR SWITCH	
		AUDIO	VIDEO
LEARN SELECTOR SWITCH	SR RECALL	Operate all audio sections of this receiver and other Pioneer components.	Operate the video sections of this receiver and other Pioneer components.
	LEARN	Learn commands from different audio brands.	Learn commands from different video brands.
	USE	Operate audio components of different brands, using the programmed (learnt) commands.	Operate video components of different brands, using the programmed (learnt) commands.

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used. If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Cause	Remedy
Power does not come on even when POWER switch is pressed.	• Power cord is disconnected.	• Connect cord securely.
Control was not possible regardless of what operation switch was pressed.	• Static electricity affected the unit when the air was dry such as in winter.	• Unplug the power cord of the unit from the AC wall outlet, then plug it again. • If static electricity is pronounced, it is recommended that you operate the unit using the remote control unit.
No rear sound is produced.	• The SURROUND MODE switch is set incorrect. • The REAR LEVEL is turned down. • Speaker connection cords are disconnected from REAR SPEAKERS terminals.	• Set correctly. • Use remote control unit to raise rear level. • Connect cords to the terminals securely.
No sound is produced, even when Function switch is selected.	• VOLUME control is set to 0 (MIN). • Speaker connecting wires are disconnected from speaker terminals. • One or both of the input cords are disconnected. • TAPE 2 MONITOR switch is in the ON position.	• Turn the VOLUME control toward the right. • Connect the wires to terminals securely. • Connect the input cords securely. • Press the switch to the OFF position.
Sound is produced from one speaker only.	• BALANCE control is set too far to one side or the other. • One of the speaker connecting wires or input cords is disconnected.	• Set BALANCE control to the center position. • Connect the wires and cords securely.
Noise is produced during reception of AM broadcasts when the power switch of other components is turned ON or OFF.	• AM loop antenna picks up electrical noise created by switch contacts.	• Place AM loop antenna as far away as possible from this and other components.
High noise level.	• Station has not been tuned in to correct frequency. • Antenna has not been connected or has become disconnected. **FM reception** • Accessory T-type antenna remains bundled up or it is not pointing in the right direction. • Weak broadcasting station signals. • Noise picked up from other equipment (or, in particular, from passing automobiles). • Multipath results when signals from broadcasting stations entering the antenna directly are mixed with signals which have been reflected by mountains or high buildings on their way to the antenna. This results in distorted sound and noise. **AM reception** • AM antenna not pointing in the right direction. • Weak broadcasting station signals. • Noise is being picked up from other equipment (especially electrical appliances using motor or fluorescent lights.	• Tune the station correctly • Connect the antenna securely. • Stretch both ends of antenna taut and locate in direction yielding optimum reception. • Replace accessory T-type antenna with outdoor FM antenna. • Try altering the direction and mounting position of the antenna. If an outdoor antenna has been erected, place it as far as possible from passing traffic and replace the connecting cable with 75 Ω coaxial cable. • Change the AM antenna's direction and find a position where reception is improved. • Erect an outdoor AM antenna or connect a ground wire. • Stop using appliances generating noise or remove them from the vicinity of stereo equipment.
No auto stop. (FM reception)	• Input signals are not strong enough.	• If a T-type antenna is used, change over to an outdoor antenna. • Perform manual tuning.

Problem	Cause	Remedy
The remote control unit does not work. (Other components cannot be operated.)	• There are no batteries in the remote control unit.	• Load the remote control unit with batteries (see page 22 or 27.)
	• The remote control sensor is not receiving any signals.	• Operate the remote control unit within a range of 7 meters an angle of 30 degrees (refer to page 22 or 27.)
	• The remote control unit is not transmitting any signals. (VSX-3700S)	• Press the remote control RESET switch.
	• The battery compartment cover is not perfectly closed. (VSX-3700S)	• Check that the battery compartment cover is closed correctly.
	• The remote control cord is not connected.	• Connect correctly (see page 6).
	• A fluorescent light is shining on the remote sensor window.	• Move so fluorescent light does not shine directly on amplifier front panel remote sensor window.

SPECIFICATIONS

Amplifier Section

[Front] (only front channels driven)
Continuous Average Power Output is 100 watts* per channel, min., at 8 ohms from 20 Hertz to 20,000 Hertz with no more than 0.05 % total harmonic distortion.**

Continuous Power Output (only rear channels driven)**
Rear: 1 kHz, T.H.D. 0.08%, 8 Ω ..... 15 W + 15 W
Dynamic power output (with EIA test signal)
2/4/8 Ω ..... 230 W/200 W/150 W
Input (Sensitivity/ Impedance)
PHONO ..... 2.5 mV/47 kΩ
CD, VDP/CDV, VCR/TAPE 1, TAPE 2 ..... 150 mV/47 kΩ
Phono Overload Level (T.H.D. 0.01 %, 1,000 Hz)
PHONO ..... 130 mV
Output Level
TAPE REC ..... 150 mV/2.2 kΩ
Frequency Response
PHONO (RIAA Equalization) ..... 20 Hz to 20,000 Hz ±0.5 dB
CD, VDP/CDV, VCR/TAPE 1, TAPE 2
..... 10 Hz to 70,000 Hz $\pm^{0.5}_{3.0}$ dB
Signal-to-Noise Ratio (IHF, short circuited, A network)
PHONO ..... 72 dB
CD, VDP/CDV, VCR/TAPE 1, TAPE 2 ..... 97 dB
Signal-to-Noise Ratio [EIA, at 1 W (1 kHz)]
PHONO ..... 75 dB
CD, VDP/CDV, VCR/TAPE 1, TAPE 2 ..... 80 dB
Graphic Equalizer frequency band ..... 60 Hz, 150 Hz, 400 Hz, 1 kHz, 2.4 kHz, 6 kHz, 15 kHz, ±8 dB

FM Tuner Section

Frequency range ..... 87.5 MHz to 108 MHz
Usable Sensitivity ..... 10.8 dBf, IHF (0.95 μV/75 Ω)
50 dB Quieting Sensitivity
MONO ..... 15.3 dBf (1.6 μV/75 Ω)
STEREO ..... 37.1 dBf (19.5 μV/75 Ω)
Signal-to-Noise Ratio
MONO ..... 80 dB (at 85 dBf)
STEREO ..... 76 dB (at 85 dBf)
Distortion
STEREO ..... 0.3 % (1 kHz)
Alternate Channel Selectivity ..... 55 dB (400 kHz)
Stereo Separation ..... 35 dB (1 kHz)
Frequency Response ..... 30 Hz to 15 kHz (±1 dB)
Antenna Input ..... 300 Ω balanced, 75 Ω unbalanced

AM Tuner Section

Frequency range
U.S. and Canadian models ..... 530 kHz to 1,700 kHz
Australian model ..... 531 kHz to 1,602 kHz
Multi-voltage model
With 10 kHz step ..... 530 kHz to 1,700 kHz
With 9 kHz step ..... 531 kHz to 1,602 kHz
Sensitivity
IHF, Loop antenna ..... 300 μV/m
Selectivity ..... 20 dB
Signal-to-Noise Ratio ..... 50 dB
Antenna ..... AM Loop Antenna

VIDEO Section

Input (Sensitivity/Impedance)
VCR, VDP/CDV ..... 1 Vp-p/75 Ω
Output (Level/Impedance)
VCR, MONITOR ..... 1 Vp-p/75 Ω
Frequency Response
VCR, VDP/CDV → MONITOR ..... 5 Hz - 10 MHz $\pm^{0}_{3}$ dB
Signal to Noise Ratio ..... 55 dB
Isolation ..... 55 dB

Miscellaneous

Power Requirements
U.S., Canadian model ..... AC 120 Volts, 60 Hz
Australian model ..... a.c. 240 Volts~, 50/60 Hz
Multi-voltage models ..... ~AC 110 V/ 120 V—127 V/ 220 V/ 240 V (switchable), 50/60 Hz
Power Consumption
U.S., Canadian models ..... 390 W (UL), 500 VA (CSA)
Australian model ..... 600 W
Multi-voltage models ..... 625 W
In standby condition ..... 3 W
AC Outlets (Except for Australian model)
SWITCHED x 2 ..... TOTAL 100 W MAX
UNSWITCHED x 1 ..... 200 W MAX
Dimentions ..... 420 (W) X 125 (H) X 330 (D) mm
16-9/16(W) X 4-15/16 (H) X 13 (D) in
Weight (without package) ..... 8.5 kg (18 lb 12 oz)

Furnished Parts

FM T-type Antenna 1
AM Loop Antenna 1
Remote control unit 1
Dry cell battery
VSX-3700S: size "AA" (LR6/AM-3) Alkaline 2
VSX-3600: size "AA" (R6/UM-3) 2
Operating Instructions 1
VSX-3700S: Template 1

** Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifier.*

*** Measured By Audio Spectrum Analyzer.*

NOTE:
Specifications and design subject to possible modification without notice due to improvements.

MAINTENANCE OF EXTERNAL SURFACES

- Use a polishing cloth or dry cloth to wipe off dust and dirt.
- When the surfaces are very dirty, wipe with a soft cloth dipped in some neutral cleanser diluted five or six times with water, and wrung out well, and then wipe again with a dry cloth. Do not use furniture wax or cleaners.
- Never use thinners, benzene, insecticide sprays and other chemicals on or near this unit, since these will corrode the surfaces.

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